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1880.

181. g. 208.

PREFACE.

THE novel feature in these Exercises in Mental Arithmetic is, that they may be either used orally or worked in writing. Each line of the Exercises contains room for the answer, but no room for any calculations. To secure that the sums are worked mentally, when they are done in writing, the Teacher will require each set of Exercises (A, B, C) to be done in a limited time.

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CONTENTS.

INTRODUCTORY—Tables and Rules for any Standard.

No. I. Suitable for Standard I. *With Answers.*

No. II. Suitable for Standard II. *With Answers.*

No. III. Suitable for Standard III. *With Answers.*

No. IV. Suitable for Standard IV. *With Answers.*

No. V. Suitable for Standard V. *With Answers.*

No. VI. Suitable for Standard VI. *With Answers.*

TABLES AND RULES.

TABLES.

NUMERATION TABLE.

of Millions.			of Thousands.			of Units.		
Hun.	Tens	Units	Hun.	Tens	Units	Hun.	Tens	Units
9	8	7 ,	6	5	4 ,	3	2	1.
9^{th}	8^{th}	7^{th}	6^{th}	5^{th}	4^{th}	3^{rd}	2^{nd}	1^{st}

Read thus:—987 million, 654 thousand, 321; or,
Nine hundred and eighty-seven million, six hundred and fifty-four thousand, three hundred and twenty-one.

ARITHMETICAL SIGNS AND DEFINITIONS.

\+ *Plus*—The sign of Addition: thus 5 + 4 is read 5 *plus* 4, or 4 *added to* 5.
\- *Minus*—The sign of Subtraction: thus 6 - 3 is read 6 *minus* 3, or 6 *less* 3.
× *Multiplied by*—The sign of Multiplication: thus 4 × 5 is read 4 *multiplied by* 5.
÷ *Divided by*—The sign of Division: thus 8 ÷ 2 is read 8 *divided by* 2.
= *Equal*—The sign of Equality: thus 9 + 4 = 13 is read 9 *plus* 4 *is equal to* 13.
Multiplicand—The number multiplied.
Multiplier—The number multiplied by.
Product—The answer after multiplying.
Factors—The multiplicand and the multiplier or multipliers.
Dividend—The number divided.
Divisor—The number divided by.
Quotient—The answer after dividing.
Remainder—What remains when the division is not exact.

ADDITION AND SUBTRACTION TABLE.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
						1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
							1	2	3	4	5	6	7	8	9	10	11	12	13
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
								1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
									1	2	3	4	5	6	7	8	9	10	11
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
										1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

EXPLANATION.

The numbers are arranged consecutively, from left to right. Each number shows by its position with respect to the starting-point how many units it contains.

For Addition.—The number in large type is the number *to be added to;* the upper number in small type is the number *to be added;* and the lower number is *the sum.* Thus, to find the sum of 5 and 9, we take 5 in the fifth line; we count nine spaces to the right, and under the small 9 we find 14, which is the answer. The learner thus performs the actual operation of adding 9 spaces (or units) to 5 spaces (or units), and he finds that there are 14 spaces (or units) in the sum.

To learn any line, begin with the large figure, and add the small upper figures in succession—thus: 7 and 1 are 8, 7 and 2 are 9, 7 and 3 are 10, and so on.

For Subtraction.—Reverse the process. Take the large type figure from the numbers in the lower line, and the numbers in the upper line will be the answer. Thus—4 from 5 leaves 1; 4 from 6, 2; 4 from 7, 3; and so on.

MULTIPLICATION TABLE.

2 *Times.*	3 *Times.*	4 *Times.*	5 *Times.*
2 × 1 = 2	3 × 1 = 3	4 × 1 = 4	5 × 1 = 5
2 × 2 = 4	3 × 2 = 6	4 × 2 = 8	5 × 2 = 10
2 × 3 = 6	3 × 3 = 9	4 × 3 = 12	5 × 3 = 15
2 × 4 = 8	3 × 4 = 12	4 × 4 = 16	5 × 4 = 20
2 × 5 = 10	3 × 5 = 15	4 × 5 = 20	5 × 5 = 25
2 × 6 = 12	3 × 6 = 18	4 × 6 = 24	5 × 6 = 30
2 × 7 = 14	3 × 7 = 21	4 × 7 = 28	5 × 7 = 35
2 × 8 = 16	3 × 8 = 24	4 × 8 = 32	5 × 8 = 40
2 × 9 = 18	3 × 9 = 27	4 × 9 = 36	5 × 9 = 45
2 × 10 = 20	3 × 10 = 30	4 × 10 = 40	5 × 10 = 50
2 × 11 = 22	3 × 11 = 33	4 × 11 = 44	5 × 11 = 55
2 × 12 = 24	3 × 12 = 36	4 × 12 = 48	5 × 12 = 60

6 *Times.*	7 *Times.*	8 *Times.*	9 *Times.*
6 × 1 = 6	7 × 1 = 7	8 × 1 = 8	9 × 1= 9
6 × 2 = 12	7 × 2 = 14	8 × 2 = 16	9 × 2= 18
6 × 3 = 18	7 × 3 = 21	8 × 3 = 24	9 × 3= 27
6 × 4 = 24	7 × 4 = 28	8 × 4 = 32	9 × 4= 36
6 × 5 = 30	7 × 5 = 35	8 × 5 = 40	9 × 5= 45
6 × 6 = 36	7 × 6 = 42	8 × 6 = 48	9 × 6= 54
6 × 7 = 42	7 × 7 = 49	8 × 7 = 56	9 × 7= 63
6 × 8 = 48	7 × 8 = 56	8 × 8 = 64	9 × 8= 72
6 × 9 = 54	7 × 9 = 63	8 × 9 = 72	9 × 9= 81
6 × 10 = 60	7 × 10 = 70	8 × 10 = 80	9 × 10= 90
6 × 11 = 66	7 × 11 = 77	8 × 11 = 88	9 × 11= 99
6 × 12 = 72	7 × 12 = 84	8 × 12 = 96	9 × 12=108

10 *Times.*	11 *Times.*	12 *Times.*	13 *Times.*
10× 1= 10	11× 1= 11	12× 1= 12	13× 1= 13
10× 2= 20	11× 2= 22	12× 2= 24	13× 2= 26
10× 3= 30	11× 3= 33	12× 3= 36	13× 3= 39
10× 4= 40	11× 4= 44	12× 4= 48	13× 4= 52
10× 5= 50	11× 5= 55	12× 6= 60	13× 5= 65
10× 6= 60	11× 6= 66	12× 6= 72	13× 6= 78
10× 7= 70	11× 7= 77	12× 7= 84	13× 7= 91
10× 8= 80	11× 8= 88	12× 8= 96	13× 8=104
10× 9= 90	11× 9= 99	12× 9=108	13× 9=117
10×10=100	11×10=110	12×10=120	13×10=130
10×11=110	11×11=121	12×11=132	13×11=143
10×12=120	11×12=132	12×12=144	13×12=156

MONEY TABLES.

4 Farthings ..... = 1 Penny ... (*d.*)
12 Pence ..... = 1 Shilling... (*s.*)
20 Shillings ..... = 1 Pound ... (£)

Copper or Bronze Coins—
Farthing.....
Halfpenny ..... = 2 Farthings.
Penny ..... = 4 Farthings.

Silver Coins—
Threepenny-piece. = 3 Pence.
Fourpenny-piece.. = 4 Pence.
Sixpence ..... = 6 Pence.
Shilling ..... = 12 Pence.
Florin (2s.)..... = 24 Pence.
Hf.-Cn. (2s. 6d.) = 30 Pence.
Crown (5s.)..... = 60 Pence.

Gold Coins—
Half-Sovereign .. = 10 Shillings.
Sovereign ..... = 20 Shillings.
Guinea (*not coined*) = 21 Shillings.

1 farthing.
4 far.= 1 penny.
24 far.= 6 pen.= 1 sixpence.
48 far.= 12 pen.= 2 six.=1 shilling.
120 far.= 30 pen.= 5 six.=2½s.=1 half-crown.
240 far.= 60 pen.=10 six.= 5s.=2 hlf-cr.= 1 crown.
480 far.=120 pen.=20 six.= 10s.= 4 hlf-cr.=2 cr.= 1 half-sovereign.
960 far.=240 pen.=40 six.= 20s.= 8 hlf-cr.= 4 cr.=2 hlf-sov.=1 sov.

		d.			*s.*	*d.*			£	*s.*
2	farthings	= ½d.	12	pence =	1	0	20	shils. =	1	0
4	"	= 1d.	20	" =	1	8	30	" =	1	10
5	"	= 1¼d.	24	" =	2	0	40	" =	2	0
6	"	= 1½d.	30	" =	2	6	50	" =	2	10
7	"	= 1¾d.	36	" =	3	0	60	" =	3	0
8	"	= 2d.	40	" =	3	4	70	" =	3	10
9	"	= 2¼d.	48	" =	4	0	80	" =	4	0
10	"	= 2½d.	50	" =	4	2	90	" =	4	10
11	"	= 2¾d.	60	" =	5	0	100	" =	5	0
12	"	= 3d.	70	" =	5	10	110	" =	5	10
13	"	= 3¼d.	72	" =	6	0	120	" =	6	0
14	"	= 3½d.	80	" =	6	8	130	" =	6	10
15	"	= 3¾d.	84	" =	7	0	140	" =	7	0
16	"	= 4d.	90	" =	7	6	150	" =	7	10
17	"	= 4¼d.	96	" =	8	0	160	" =	8	0
18	"	= 4½d.	100	" =	8	4	170	" =	8	10
19	"	= 4¾d.	108	" =	9	0	180	" =	9	0
20	"	= 5d.	110	" =	9	2	190	" =	9	10
21	"	= 5¼d.	120	" =	10	0	200	" =	10	0
22	"	= 5½d.	130	" =	10	10	250	" =	12	10
23	"	= 5¾d.	132	" =	11	0	300	" =	15	0
24	"	= 6d.	140	" =	11	8	350	" =	17	10
25	"	= 6¼d.	144	" =	12	0	400	" =	20	0

WEIGHTS AND MEASURES.

AVOIRDUPOIS WEIGHT.

1 dram.
16 drams = 1 ounce.
256 drams = 16 oz. = 1 pound.
3584 drams = 224 oz. = 14 lbs. = 1 stone.
7168 drams = 448 oz. = 28 lbs. = 2 st. = 1 quarter.
28672 drams = 1792 oz. = 112 lbs. = 8 st. = 4 qr. = 1 cwt.
573440 drams = 35840 oz. = 2240 lbs. = 160 st. = 80 qr. = 20 cwt. = 1 ton.

TIME TABLE.

1 second.
60 secs. = 1 minute.
3600 secs. = 60 mins. = 1 hour.
86400 secs. = 1440 mins. = 24 hours = 1 day.
604800 secs. = 10080 mins. = 168 hours = 7 days = 1 week.
2419200 secs. = 40320 mins. = 672 hours = 28 days = 4 weeks = 1 month.

NOTE.—13 common months and 1 day, or 52 weeks and 1 day, or 365 days, or 13 calendar months = 1 common year; 365¼ days = 1 Julian year; 366 days = 1 leap year; 365 days, 5 hours, 48 minutes, 50 seconds = 1 solar year.

The Year is divided into Twelve Calendar Months, thus:—

January.....31 days.	May .....31 days.	September...30 days.
February....28 "	June.....30 "	October .....31 "
March.....31 "	July.....31 "	November...30 "
April.....30 "	August.....31 "	December ...31 "

February has 29 days in leap year.

Thirty days have September,
April, June, and November;
February has *twenty-eight* alone;
All the rest have *thirty-one.*
But leap year coming once in four,
Gives February *one day more.*

QUARTERLY TERMS.

ENGLAND.		SCOTLAND.	
Lady-day	March 25.	Candlemas	February 2.
Midsummer	June 24.	Whitsunday	May 15.
Michaelmas	September 29.	Lammas	August 1.
Christmas	December 25.	Martinmas	November 11.

SEASONS.

Spring commences	21st March.
Summer (longest day)	21st June.
Autumn	23rd September.
Winter (shortest day)	21st December.

LONG MEASURE.

Used in measuring distances.

1 inch.

12 inches = 1 foot.

36 inches = 3 feet = 1 yard.

198 inches = 16½ feet = 5½ yards = 1 pole.

7920 inches = 660 feet = 220 yards = 40 poles = 1 furlong.

63360 inches = 5280 feet = 1760 yards = 320 poles = 8 furlongs = 1 mile.

NOTE.—4 inches = 1 hand; 9 inches = 1 span; 18 inches = 1 cubit; 3 miles = 1 league; 6 feet = 1 fathom; 50 feet = 1 knot; 120 knots = 1 nautical mile.

CUBIC MEASURE.

Used for measuring solidities or contents.

1 cubic inch.

1728 cubic inches = 1 cubic foot.

46656 cubic inches = 27 cubic feet = 1 cubic yard.

NOTE.—A cubic foot of water weighs 1000 oz.; a cubic foot of air, 1¼ oz.

SQUARE MEASURE.

Used for measuring areas or surfaces.

1 square inch.
144 sq. in.= 1 square foot.
1296 sq. in.= 9 sq. ft.= 1 square yard.
39204 sq. in.= 272¼ sq. ft.=30¼ sq. yd.= 1 square pole.
1568160 sq. in.=10890 sq. ft.=1210 sq. yd.=40 sq. po.= 1 sq. rood.
6272640 sq. in.=43560 sq. ft.=4840 sq. yd.=160 sq. po.=4 sq. rd.=1 a.

NOTE.—22 yards = 1 chain; 10 square chains, or 100000 square links = 1 acre; 640 acres = 1 square mile.

CLOTH MEASURE.

Used by drapers for the measurement of woollen, linen, cotton, and silk goods.

1 inch.
2¼ inches = 1 nail.
9 inches = 4 nails = 1 quarter.
36 inches = 16 nails = 4 quarters = 1 yard.
45 inches = 20 nails = 5 quarters = 1¼ yard = 1 English ell.

MEASURE OF CAPACITY.

Used in measuring liquids and dry goods.

1 gill.
4 gills= 1 pint.
8 gills= 2 pts.= 1 quart.
32 gills= 8 pts.= 4 qts.= 1 gallon.
64 gills= 16 pts.= 8 qts.= 2 gals.= 1 peck.
256 gills= 64 pts.= 32 qts.= 8 gals.= 4 pecks=1 bushel.
2048 gills=512 pts.=256 qts.=64 gals.=32 pecks=8 bush.=1 quarter.

NOTE.—5 quarters = 1 load; 1 gallon = 277¼ cubic inches of water, which weighs 10 lbs. avoirdupois.

ALIQUOT PARTS

Of a Pound Sterling.

s.	*d.*		*£*
10	0	=	$\frac{1}{2}$
6	8	=	$\frac{1}{3}$
5	0	=	$\frac{1}{4}$
4	0	=	$\frac{1}{5}$
3	4	=	$\frac{1}{6}$
2	6	=	$\frac{1}{8}$
2	0	=	$\frac{1}{10}$
1	8	=	$\frac{1}{12}$
1	4	=	$\frac{1}{15}$
1	3	=	$\frac{1}{16}$
1	0	=	$\frac{1}{20}$
0	8	=	$\frac{1}{30}$
0	6	=	$\frac{1}{40}$

Of a Shilling.

d.		*s.*
6	=	$\frac{1}{2}$
4	=	$\frac{1}{3}$
3	=	$\frac{1}{4}$
2	=	$\frac{1}{6}$
$1\frac{1}{2}$	=	$\frac{1}{8}$
1	=	$\frac{1}{12}$

Of a Penny.

f.		*d.*
2	=	$\frac{1}{2}$
1	=	$\frac{1}{4}$

Of a Yard.

2 qrs.	=	$\frac{1}{2}$
1 qr.	=	$\frac{1}{4}$
2 nails	=	$\frac{1}{8}$
1 nail	=	$\frac{1}{16}$

Of a Ton.

cwt.		*ton.*
10	=	$\frac{1}{2}$
5	=	$\frac{1}{4}$
4	=	$\frac{1}{5}$
$2\frac{1}{2}$	=	$\frac{1}{8}$
2	=	$\frac{1}{10}$
$1\frac{1}{4}$	=	$\frac{1}{16}$
1	=	$\frac{1}{20}$

Of a Cwt.

qr.	*lb.*		*cwt.*
2, or	56	=	$\frac{1}{2}$
1, or	28	=	$\frac{1}{4}$
	16	=	$\frac{1}{7}$
	14	=	$\frac{1}{8}$
	8	=	$\frac{1}{14}$
	7	=	$\frac{1}{16}$
	4	=	$\frac{1}{28}$

Of a Quarter.

lb.		*qr.*
14	=	$\frac{1}{2}$
7	=	$\frac{1}{4}$
4	=	$\frac{1}{7}$
$3\frac{1}{2}$	=	$\frac{1}{8}$
2	=	$\frac{1}{14}$
$1\frac{3}{4}$	=	$\frac{1}{16}$
1	=	$\frac{1}{28}$

Of a lb.

oz.		*lb.*
8	=	$\frac{1}{2}$
4	=	$\frac{1}{4}$
2	=	$\frac{1}{8}$
1	=	$\frac{1}{16}$

RULES.

MULTIPLICATION.

(1.) **To Multiply by 10.**

Add a nought.

$$6 \times 10 = 60.$$

(2.) **To Multiply by any number of tens—20, 30, &c.**

Add a nought, and multiply by the number of tens.

$$6 \times 20 = 60 \times 2 = 120.$$

(3.) **To Multiply by 100.**

Add two noughts.

$$6 \times 100 = 600.$$

(4.) **To Multiply by any number of hundreds—200, 300, &c.**

Add two noughts, and multiply by the number of hundreds.

$$6 \times 200 = 600 \times 2 = 1200.$$

(5.) **To Multiply by any number of tens, hundreds, or thousands.**

Add the nought, or noughts, and multiply by the number of tens, hundreds, or thousands.

$$\begin{aligned} 4 \times 60 &= 40 \times 6 = 240. \\ 4 \times 600 &= 400 \times 6 = 2400. \\ 4 \times 6000 &= 4000 \times 6 = 24000. \end{aligned}$$

(6.) **To Multiply by 5.**

Multiply by 10, and divide by 2.

$$6 \times 5 = 60 \div 2 = 30.$$

(7.) **To Multiply by 15, 35, 45, or 55.**

Multiply by twice the multiplier, and divide by 2.

$$\begin{aligned} 6 \times 15 &= 6 \times 30 \div 2 = 180 \div 2 = 90. \\ 6 \times 35 &= 6 \times 70 \div 2 = 420 \div 2 = 210. \\ 6 \times 45 &= 6 \times 90 \div 2 = 540 \div 2 = 270. \\ 6 \times 55 &= 6 \times 110 \div 2 = 660 \div 2 = 330. \end{aligned}$$

(8.) **To Multiply by 75** (75 = 300 ÷ 4).

Add 2 noughts, multiply by 3, and divide by 4.

$6 \times 75 = 600 \times 3 \div 4 = 1800 \div 4 = 450.$

(9.) **To Multiply by 125** (125 = 1000 ÷ 8).

Add 3 noughts, and divide by 8.

$6 \times 125 = 6000 \div 8 = 750.$

(10.) **To Multiply by 250** (250 = 1000 ÷ 4).

Add 3 noughts, and divide by 4.

$6 \times 250 = 6000 \div 4 = 1500.$

(11.) **To Square a number** (to multiply it by itself).

Add the number to its unit figure, multiply by the tens, and add the square of the unit figure.

Square 23 = 23 × 23.	Square 36 = 36 × 36
23 + 3 = 26.	36 + 6 = 42.
26 × 20 = 520.	42 × 30 = 1260.
520 + 9 = 529.	1260 + 36 = 1296.

DIVISION.

(1.) **To Divide by 10.**

Cut off the end figure, which will be the remainder.

$627 \div 10 = 62,7 = 62\frac{7}{10}$

(2.) **To Divide by 100.**

Cut off the two end figures, which will be the remainder.

$627 \div 100 = 6,27 = 6\frac{27}{100}$

(3.) **To Divide by 1000.**

Cut off the three end figures, which will be the remainder.

$6127 \div 1000 = 6,127 = 6\frac{127}{1000}$

(4.) **To Divide by 5.**

Multiply by 2, and divide by 10. Divide the remainder by 2.

$724 \div 5 = 1448 \div 10 = 144\frac{4}{5}$

(5.) **To Divide by 50.**

Multiply by 2, and divide by 100. Divide the remainder by 2.

$236 \div 50 = 472 \div 100 = 4\frac{36}{50}$

(6.) **To Divide by 25.**

Multiply by 4, and divide by 100. Divide the remainder by 4.

$236 \div 25 = 944 \div 100 = 9\frac{11}{25}$

(7.) To Divide by 125.

Multiply by 8, and divide by 1000. Divide the remainder by 8.

$$236 \div 125 = 1888 \div 1000 = 1\tfrac{111}{125}$$

(8.) To Divide by any number of tens, hundreds, or thousands.

Cut off as many end figures as there are noughts, and divide by the number of tens, hundreds, or thousands.

4,0)2715,6	4,00)271,56	4,000)27,156
678,36	67,356	6,3156

CALCULATION OF PRICES.

(1.) To find the price of a dozen articles.

Call the pence shillings, and every farthing 3d.

1 dozen articles at 3d. = 3s.
" " at 3¼d. = 3s. 3d.
" " at 3½d. = 3s. 6d.
" " at 3¾d. = 3s. 9d.

When the price exceeds a shilling, reduce shillings to pence.

1 dozen articles at 1s. 6¼d. = 1 dozen at 18¼d. = 18s. 3d.

(2.) To find the price of any number of dozens.

Find the price of one dozen, and multiply by the number of dozens.

5 dozen articles at 2s. 1½d. = 25s. 6d. × 5 = £6, 7s. 6d.

A gross is 144 or 12 dozen.

1 gross at 3½d. = 3s. 6d. × 12 = £2, 2s.

(3.) To find the price of one article, the price of a dozen being given.

Call the shillings pence, and every threepence a farthing.

The price of one article at 10s. 3d. per dozen = 10¼d.

(4.) To find the price of 20 articles.

Call the shillings pounds, and every 3d. five shillings.

20 articles at 2s. 3d. = £2, 5s.
" at 2s. 6d. = £2, 10s.
" at 2s. 9d. = £2, 15s.

(5.) To find the price of 240 articles.

Call the pence pounds, and every farthing five shillings.

240 articles at 3¼d. = £3, 5s.
" at 3½d. = £3, 10s.
" at 3¾d. = £3, 15s.

(6.) **To find the price of 480 articles.**

Call the pence pounds, and multiply by 2.

480 articles at 5½d. = £5, 10s. × 2 = £11.

(7.) **To find the price of 960 articles.**

Reduce the price of one to farthings, and call farthings pounds.

960 articles at 2¼d. = 5 farthings = £5.

(8.) **To find the amount for a year at so much per day.**

Reduce the price to pence, and call it pounds. Add to it its half. Then add five times the number of pence.

365 days at 6d. per day.

The price in pence, 6d.	=	£6	0	0
Half the price	=	3	0	0
5 × 6.....	=	0	2	6
365 days at 6d. per day.....	=	£9	2	6

Reason—365 = 240 + 120 + 5.

(9.) **To find the amount for a year of 313 days omitting 52 Sundays) at so much per day.**

Reduce the price to pence. Put down the number of pence as pence, the same as pounds, and six times the number as shillings, and add them together.

313 days at 7d. per day.

The price as pence	=	£0	0	7
The price as pounds	=	7	0	0
6 × 7 as shillings	=	2	2	0
313 days at 7d. per day.....	=	£9	2	7

PRACTICE.

NOTE ON REMAINDERS.—The remainder is always of the same denomination as the aliquot part. For example:—

At threehalfpence: 327 ÷ 8 = 40$\frac{7}{}$; that is, 40 shillings and 7 threehalfpences, or 10½d.

At twopence: 283 ÷ 6 = 47$\frac{1}{}$; that is 47 shillings and 1 twopence, or 2d.

At two shillings and sixpence: 245 ÷ 8 = 30$\frac{5}{}$; that is, £30 and 5 half-crowns, or 12s. 6d.

To find the price of any number of articles.

(1.) **At a farthing.**

Divide by 4, 12, and 20.

1725 articles at a farthing (¼d.)

1725 ÷ 4 = 431¼d. ÷ 12 = 35s. 11¼d. ÷ 20 = £1, 15s. 11¼d.

(2.) **At a halfpenny.**

Divide by 2, 12, and 20.

1327 articles at a halfpenny (½d.)

1327 ÷ 2 = 663½d. ÷ 12 = 55s. 3½d. ÷ 20 = £2, 15s. 3½d.

(3.) **At a penny.**

Divide by 12 and 20.

342 articles at a penny (1d.)

342 ÷ 12 = 28s. 6d. ÷ 20 = £1, 8s. 6d.

(4.) **At threehalfpence.**

Divide by 8 and 20.

327 articles at threehalfpence (1½d.)

327 ÷ 8 = 40s. 10½d. ÷ 20 = £2, 0s. 10½d.

(5.) **At twopence.**

Divide by 6 and 20.

283 articles at twopence (2d.)

283 ÷ 6 = 47s. 2d. ÷ 20 = £2, 7s. 2d.

(6.) **At threepence.**

Divide by 4 and 20.

235 articles at threepence (3d.)

235 ÷ 4 = 58s. 9d. ÷ 20 = £2, 18s. 9d.

(7.) **At fourpence.**

Divide by 3 and 20.

218 articles at fourpence (4d.)

218 ÷ 3 = 72s. 8d. ÷ 20 = £3, 12s. 8d.

(8.) **At sixpence.**

Divide by 2 and 20, or by 40.

95 articles at sixpence (6d.)

95 ÷ 2 = 47s. 6d. ÷ 20 = £2, 7s. 6d., *or* 95 ÷ 40 = £2, 7s. 6d.

(9.) **At eightpence.**

Divide by 30.

92 articles at eightpence (8d.)

92 ÷ 30 = £3, 1s. 4d.

(10.) **At a shilling.**

Divide by 20.

725 articles at a shilling (1s.)

725 ÷ 20 = £36, 5s.

(11.) **At one shilling and threepence.**

Divide by 16.

58 articles at one shilling and threepence (1s. 3d.)

58 ÷ 16 = £3, 12s. 6d.

(12.) **At one shilling and fourpence.**

Divide by 15.

65 articles at one shilling and fourpence (1s. 4d.)

65 ÷ 15 = £4, 6s. 8d.

(13.) **At one shilling and eightpence.**

Divide by 12.

100 articles at one shilling and eightpence (1s. 8d.)

100 ÷ 12 = £8, 6s. 8d.

(14.) **At two shillings (florin).**

Divide by 10.

75 articles at two shillings (2s.)

75 ÷ 10 = £7, 10s.

(15.) **At two shillings and sixpence (half-crown).**

Divide by 8.

245 articles at two shillings and sixpence (2s. 6d.)

245 ÷ 8 = £30, 12s. 6d.

(16.) **At three shillings and fourpence.**

Divide by 6.

723 articles at three shillings and fourpence (3s. 4d.)

723 ÷ 6 = £120, 10s.

(17.) **At four shillings.**

Divide by 5.

82 articles at four shillings (4s.)

82 ÷ 5 = £16, 8s.

(18.) **At five shillings (crown).**

Divide by 4.

97 articles at five shillings (5s.)

97 ÷ 4 = £24, 4s.

(19.) **At six shillings and eightpence.**

Divide by 3.

82 articles at six shillings and eightpence (6s. 8d.)

82 ÷ 3 = £27, 6s. 8d.

(20.) **At ten shillings (half-sovereign).**

Divide by 2.

35 articles at half a sovereign (10s.)

35 ÷ 2 = £17, 10s.

(21.) **To find the cost of 1 lb., the price of 1 oz. being given.**

Reduce the price to farthings, call the farthings shillings, and divide by 3.

1 lb. at 2½d. per oz.

2½d. = 10 farthings, which call 10 shillings.

10s. ÷ 3 = 3s. 4d.

(22.) **To find the cost of 1 oz., the price of 1 lb. being given.**

Multiply by 3, and call the shillings farthings.

1 oz. at 6s. 8d. per lb.

6s. 8d. × 3 = 20 shillings, which call 20 farthings.

20 farthings = 5d.

(23.) **To find the cost of 1 cwt., the price of 1 lb. being given.**

Reduce the price to farthings, call the farthings shillings, multiply by 7, and divide by 3.

1 cwt. at 8¼d. per lb.

8¼d. = 33 farthings, which call 33 shillings.

33s. × 7 ÷ 3 = £3, 17s.

(24.) **To find the cost of 1 cwt., the price of 1 lb. being given.**

Reduce the price to shillings, multiply by 3, and divide by 7. The answer will be in farthings.

1 lb. at £4, 18s. per cwt.

£4, 18s. = 98 shillings; then

98 × 3 ÷ 7 = 42 farthings = 10½d.

SIMPLE INTEREST.

To find the simple interest on any sum for a year—

(1.) **At 10 per cent.**

Divide the principal by 10.

Interest of £15 at 10 per cent.

£15 ÷ 10 = £1, 10s.

(2.) **At 5 per cent.**

Call the pounds shillings, or divide the principal by 20.

Interest on £15 at 5 per cent.

£15 ÷ 20 = 15s.

(3.) **At 2½ per cent.**

Call the pounds sixpences, or divide the principal by 40.

Interest on £15 at 2½ per cent.

£15 ÷ 40 = 7s. 6d.

(4.) **At 4 per cent.**

Divide the principal by 25.

Interest on £15 at 4 per cent.

£15 ÷ 25 = 12s.

(5.) **At any rate per cent.**

Multiply by the rate per cent., and divide by 100.

Interest on £20 at 6 per cent.

£20 × 6 ÷ 100 = £1, 4s.

Interest on £20 at 3 per cent.

£20 × 3 ÷ 100 = 12s.

EXERCISE 1.

									Answers.
A									
(1.)	3	tops	+	4	tops	+	5	tops	=	12 tops.
(2.)	4	pens	+	2	pens	+	6	pens	=	12 pens.
(3.)	6	bells	+	1	bell	+	7	bells	=	14 bells.
(4.)	2	guns	+	5	guns	+	3	guns	=	10 guns.
(5.)	5	kites	+	3	kites	+	6	kites	=	14 kites.
(6.)	7	dolls	+	2	dolls	+	5	dolls	=	14 dolls.
(7.)	3	pins	+	4	pins	+	4	pins	=	11 pins.
(8.)	2	hats	+	6	hats	+	3	hats	=	11 hats.
B									
(1.)	5	boys	+	4	boys	+	6	boys	=	15 boys.
(2.)	4	girls	+	3	girls	+	8	girls	=	15 girls.
(3.)	6	men	+	2	men	+	4	men	=	12 men.
(4.)	7	dogs	+	6	dogs	+	5	dogs	=	18 dogs.
(5.)	8	cats	+	4	cats	+	3	cats	=	15 cats.
(6.)	3	birds	+	5	birds	+	9	birds	=	17 birds.
(7.)	4	mice	+	7	mice	+	6	mice	=	17 mice.
(8.)	7	flies	+	3	flies	+	5	flies	=	15 flies.
C									
(1.)	6	caps	+	3	caps	+	7	caps	=	16 caps.
(2.)	3	balls	+	5	balls	+	8	balls	=	16 balls.
(3.)	7	bats	+	2	bats	+	5	bats	=	14 bats.
(4.)	8	ships	+	4	ships	+	4	ships	=	16 ships.
(5.)	5	gates	+	6	gates	+	7	gates	=	18 gates.
(6.)	4	coats	+	7	coats	+	6	coats	=	17 coats.
(7.)	3	boots	+	5	boots	+	3	boots	=	11 boots.
(8.)	6	boats	+	2	boats	+	8	boats	=	16 boats.

EXERCISE 2.

A	Answers.	D	Answers.
(1.) 2 + 1 + 2 =	.....5..	(1.) 9 + 4 + 5 =	....18..
(2.) 5 + 1 + 2 =	.....8..	(2.) 3 + 4 + 5 =	....12..
(3.) 7 + 1 + 2 =	....10..	(3.) 4 + 4 + 5 =	....13..
(4.) 6 + 1 + 2 =	.....9..	(4.) 8 + 4 + 5 =	....17..
(5.) 8 + 1 + 2 =	....11..	(5.) 6 + 4 + 5 =	....15..
(6.) 4 + 1 + 2 =	.....7..	(6.) 7 + 4 + 5 =	....16..
(7.) 3 + 1 + 2 =	.....6..	(7.) 5 + 4 + 5 =	....14..
(8.) 9 + 1 + 2 =	....12..	(8.) 2 + 4 + 5 =	....11..
B		**E**	
(1.) 8 + 2 + 3 =	....13..	(1.) 2 + 5 + 6 =	....13..
(2.) 4 + 2 + 3 =	.....9..	(2.) 9 + 5 + 6 =	....20..
(3.) 5 + 2 + 3 =	....10..	(3.) 3 + 5 + 6 =	....14..
(4.) 6 + 2 + 3 =	....11..	(4.) 7 + 5 + 6 =	....18..
(5.) 7 + 2 + 3 =	....12..	(5.) 6 + 5 + 6 =	....17..
(6.) 3 + 2 + 3 =	.....8..	(6.) 5 + 5 + 6 =	....16..
(7.) 9 + 2 + 3 =	....14..	(7.) 4 + 5 + 6 =	....15..
(8.) 2 + 2 + 3 =	.....7..	(8.) 8 + 5 + 6 =	....19..
C		**F**	
(1.) 5 + 3 + 4 =	....12..	(1.) 7 + 6 + 7 =	....20..
(2.) 9 + 3 + 4 =	....16..	(2.) 4 + 6 + 7 =	....17..
(3.) 2 + 3 + 4 =	.....9..	(3.) 6 + 6 + 7 =	....19..
(4.) 8 + 3 + 4 =	....15..	(4.) 3 + 6 + 7 =	....16..
(5.) 3 + 3 + 4 =	....10..	(5.) 8 + 6 + 7 =	....21..
(6.) 6 + 3 + 4 =	....13..	(6.) 2 + 6 + 7 =	....15..
(7.) 4 + 3 + 4 =	....11..	(7.) 9 + 6 + 7 =	....22..
(8.) 7 + 3 + 4 =	....14..	(8.) 5 + 6 + 7 =	....18..

EXERCISE 3.

A		Answers.	D		Answers.
(1.)	3 + 7 + 8 =	....18..	(1.)	10 + 3 + 9 =	....22..
(2.)	7 + 7 + 8 =	....22..	(2.)	10 + 7 + 5 =	....22..
(3.)	2 + 7 + 8 =	.....17..	(3.)	10 + 2 + 9 =	....21..
(4.)	6 + 7 + 8 =	.....21..	(4.)	10 + 6 + 4 =	....20..
(5.)	4 + 7 + 8 =	....19..	(5.)	10 + 9 + 6 =	....25..
(6.)	8 + 7 + 8 =	....23..	(6.)	10 + 8 + 2 =	....20..
(7.)	5 + 7 + 8 =	....20..	(7.)	10 + 5 + 7 =	....22..
(8.)	9 + 7 + 8 =	....24..	(8.)	10 + 4 + 3 =	....17..
B			E		
(1.)	6 + 8 + 9 =	....23..	(1.)	11 + 6 + 4 =	.....21..
(2.)	9 + 8 + 9 =	....26..	(2.)	11 + 9 + 8 =	....28..
(3.)	5 + 8 + 9 =	....22..	(3.)	11 + 5 + 3 =	....19..
(4.)	2 + 8 + 9 =	....19..	(4.)	11 + 2 + 7 =	....20..
(5.)	7 + 8 + 9 =	....24..	(5.)	11 + 7 + 2 =	....20..
(6.)	3 + 8 + 9 =	....20..	(6.)	11 + 3 + 5 =	....19..
(7.)	8 + 8 + 9 =	....25..	(7.)	11 + 8 + 9 =	....28..
(8.)	4 + 8 + 9 =	.....21..	(8.)	11 + 4 + 6 =	.....21..
C			F		
(1.)	3 + 9 + 8 =	....20..	(1.)	12 + 3 + 9 =	....24..
(2.)	6 + 9 + 8 =	....23..	(2.)	12 + 6 + 2 =	....20..
(3.)	5 + 9 + 8 =	....22..	(3.)	12 + 5 + 4 =	.....21..
(4.)	7 + 9 + 8 =	....24..	(4.)	12 + 7 + 8 =	....27..
(5.)	8 + 9 + 8 =	....25..	(5.)	12 + 8 + 7 =	....27..
(6.)	4 + 9 + 8 =	....21..	(6.)	12 + 4 + 5 =	.....21..
(7.)	2 + 9 + 8 =	....19..	(7.)	12 + 2 + 6 =	....20..
(8.)	9 + 9 + 8 =	....26..	(8.)	12 + 9 + 3 =	....24..

EXERCISE 4.

A	Answers.	D	Answers.
(1.) 13 + 3 + 9 =	....25..	(1.) 16 + 2 + 9 =	....27..
(2.) 13 + 7 + 5 =	....25..	(2.) 16 + 5 + 3 =	....24..
(3.) 13 + 2 + 8 =	....23..	(3.) 16 + 7 + 4 =	....27..
(4.) 13 + 6 + 2 =	....21..	(4.) 16 + 6 + 8 =	....30..
(5.) 13 + 4 + 6 =	....23..	(5.) 16 + 8 + 6 =	....30..
(6.) 13 + 8 + 4 =	....25..	(6.) 16 + 4 + 7 =	....27..
(7.) 13 + 5 + 7 =	....25..	(7.) 16 + 3 + 5 =	....24..
(8.) 13 + 9 + 3 =	....25..	(8.) 16 + 9 + 2 =	....27..
B		**E**	
(1.) 14 + 6 + 4 =	....24..	(1.) 17 + 8 + 2 =	....27..
(2.) 14 + 5 + 3 =	....22..	(2.) 17 + 4 + 9 =	....30..
(3.) 14 + 9 + 7 =	....30..	(3.) 17 + 5 + 3 =	....25..
(4.) 14 + 2 + 2 =	....18..	(4.) 17 + 7 + 6 =	....30..
(5.) 14 + 7 + 8 =	....29..	(5.) 17 + 6 + 7 =	....30..
(6.) 14 + 3 + 9 =	....26..	(6.) 17 + 3 + 5 =	....25..
(7.) 14 + 8 + 5 =	....27..	(7.) 17 + 9 + 4 =	....30..
(8.) 14 + 4 + 6 =	....24..	(8.) 17 + 2 + 8 =	....27..
C		**F**	
(1.) 15 + 3 + 9 =	....27..	(1.) 18 + 5 + 7 =	....30..
(2.) 15 + 6 + 2 =	....23..	(2.) 18 + 9 + 4 =	.....31..
(3.) 15 + 5 + 4 =	....24..	(3.) 18 + 2 + 6 =	....26..
(4.) 15 + 7 + 8 =	....30..	(4.) 18 + 8 + 3 =	....29..
(5.) 15 + 8 + 7 =	....30..	(5.) 18 + 3 + 8 =	....29..
(6.) 15 + 4 + 5 =	....24..	(6.) 18 + 6 + 2 =	....26..
(7.) 15 + 2 + 6 =	....23..	(7.) 18 + 4 + 9 =	.....31..
(8.) 15 + 9 + 3 =	....27..	(8.) 18 + 7 + 5 =	....30..

EXERCISE 5.

A	Answers.	D	Answers.
(1.) 19 + 2 + 9 =	....30..	(1.) 40 + 3 + 9 =	....52..
(2.) 19 + 5 + 3 =	....27..	(2.) 40 + 7 + 5 =	....52..
(3.) 19 + 7 + 4 =	....30..	(3.) 40 + 2 + 8 =	....50..
(4.) 19 + 6 + 8 =	....33..	(4.) 40 + 6 + 7 =	....53..
(5.) 19 + 8 + 6 =	....33..	(5.) 40 + 4 + 6 =	....50..
(6.) 19 + 4 + 7 =	....30..	(6.) 40 + 8 + 8 =	....56..
(7.) 19 + 3 + 5 =	....27..	(7.) 40 + 5 + 7 =	....52..
(8.) 19 + 9 + 2 =	....30..	(8.) 40 + 9 + 3 =	....52..
B		**E**	
(1.) 20 + 8 + 2 =	....30..	(1.) 50 + 6 + 4 =	....60..
(2.) 20 + 4 + 9 =	....33..	(2.) 50 + 9 + 8 =	....67..
(3.) 20 + 5 + 3 =	....28..	(3.) 50 + 5 + 3 =	....58..
(4.) 20 + 7 + 6 =	....33..	(4.) 50 + 2 + 7 =	....59..
(5.) 20 + 6 + 7 =	....33..	(5.) 50 + 7 + 2 =	....59..
(6.) 20 + 3 + 5 =	....28..	(6.) 50 + 3 + 5 =	....58..
(7.) 20 + 9 + 4 =	....33..	(7.) 50 + 8 + 9 =	....67..
(8.) 20 + 2 + 8 =	....30..	(8.) 50 + 4 + 6 =	....60..
C		**F**	
(1.) 30 + 5 + 7 =	....42..	(1.) 60 + 3 + 9 =	....72..
(2.) 30 + 9 + 5 =	....44..	(2.) 60 + 6 + 2 =	....68..
(3.) 30 + 2 + 6 =	....38..	(3.) 60 + 5 + 4 =	....69..
(4.) 30 + 8 + 3 =	....41..	(4.) 60 + 7 + 8 =	....75..
(5.) 30 + 3 + 8 =	....41..	(5.) 60 + 8 + 7 =	....75..
(6.) 30 + 6 + 2 =	....38..	(6.) 60 + 4 + 5 =	....69..
(7.) 30 + 4 + 9 =	....33..	(7.) 60 + 2 + 6 =	....68..
(8.) 30 + 7 + 5 =	....42..	(8.) 60 + 9 + 3 =	....72..

EXERCISE 6.

							Answers.
A							
(1.)	*Take*	3	tops	*from*	4	tops.	.....1..... top.
(2.)	*Take*	5	guns	*from*	8	guns.	.....3..... guns.
(3.)	*Take*	2	hats	*from*	9	hats.	.....7..... hats.
(4.)	*Take*	1	cat	*from*	7	cats.	.....6..... cats.
(5.)	*Take*	3	rings	*from*	8	rings.	.....5..... rings.
(6.)	*Take*	5	kites	*from*	9	kites.	.....4..... kites.
(7.)	*Take*	4	dolls	*from*	8	dolls.	.....4..... dolls.
(8.)	*Take*	2	caps	*from*	7	caps.	.....5..... caps.
B							
(1.)	*Take*	2	books	*from*	7	books.	.....5..... books.
(2.)	*Take*	3	pens	*from*	8	pens.	.....5..... pens.
(3.)	*Take*	1	dog	*from*	9	dogs.	.....8..... dogs.
(4.)	*Take*	5	pins	*from*	10	pins.	.....5..... pins.
(5.)	*Take*	3	boys	*from*	9	boys.	.....6..... boys.
(6.)	*Take*	4	eggs	*from*	12	eggs.	.....8..... eggs.
(7.)	*Take*	6	cups	*from*	15	cups.	.....9..... cups.
(8.)	*Take*	2	trees	*from*	10	trees.	.....8..... trees.
C							
(1.)	*Take*	3	bees	*from*	8	bees.	.....5..... bees.
(2.)	*Take*	5	cows	*from*	9	cows.	.....4..... cows.
(3.)	*Take*	6	hens	*from*	10	hens.	.....4..... hens.
(4.)	*Take*	7	flies	*from*	11	flies.	.....4..... flies.
(5.)	*Take*	9	legs	*from*	12	legs.	.....3..... legs.
(6.)	*Take*	8	bats	*from*	13	bats.	.....5..... bats.
(7.)	*Take*	4	balls	*from*	14	balls.	.....10..... balls.
(8.)	*Take*	6	coats	*from*	15	coats.	.....9..... coats.

EXERCISE 7.

A		Answers.
(1.)	3 *from* 10 =	7
(2.)	5 „ 10 =	5
(3.)	2 „ 10 =	8
(4.)	4 „ 10 =	6
(5.)	7 „ 10 =	3
(6.)	9 „ 10 =	1
(7.)	6 „ 10 =	4
(8.)	8 „ 10 =	2

B		
(1.)	2 *from* 11 =	9
(2.)	4 „ 11 =	7
(3.)	3 „ 11 =	8
(4.)	5 „ 11 =	6
(5.)	6 „ 11 =	5
(6.)	8 „ 11 =	3
(7.)	7 „ 11 =	4
(8.)	9 „ 11 =	2

C		
(1.)	5 *from* 12 =	7
(2.)	7 „ 12 =	5
(3.)	9 „ 12 =	3
(4.)	2 „ 12 =	10
(5.)	6 „ 12 =	6
(6.)	8 „ 12 =	4
(7.)	4 „ 12 =	8
(8.)	3 „ 12 =	9

D		Answers.
(1.)	3 *from* 13 =	10
(2.)	7 „ 13 =	6
(3.)	5 „ 13 =	8
(4.)	9 „ 13 =	4
(5.)	8 „ 13 =	5
(6.)	2 „ 13 =	11
(7.)	6 „ 13 =	7
(8.)	4 „ 13 =	9

E		
(1.)	3 *from* 14 =	11
(2.)	6 „ 14 =	8
(3.)	2 „ 14 =	12
(4.)	8 „ 14 =	6
(5.)	4 „ 14 =	10
(6.)	9 „ 14 =	5
(7.)	5 „ 14 =	9
(8.)	7 „ 14 =	7

F		
(1.)	2 *from* 15 =	13
(2.)	9 „ 15 =	6
(3.)	3 „ 15 =	12
(4.)	8 „ 15 =	7
(5.)	4 „ 15 =	11
(6.)	7 „ 15 =	8
(7.)	6 „ 15 =	9
(8.)	5 „ 15 =	10

EXERCISE 8.

A		Answers.	D		Answers.
(1.)	8 *from* 16 =	8	(1.)	9 *from* 19 =	10
(2.)	3 „ 16 =	13	(2.)	7 „ 19 =	12
(3.)	7 „ 16 =	9	(3.)	8 „ 19 =	11
(4.)	6 „ 16 =	10	(4.)	6 „ 19 =	13
(5.)	5 „ 16 =	11	(5.)	5 „ 19 =	14
(6.)	9 „ 16 =	7	(6.)	2 „ 19 =	17
(7.)	4 „ 16 =	12	(7.)	4 „ 19 =	15
(8.)	2 „ 16 =	14	(8.)	3 „ 19 =	16
B			E		
(1.)	3 *from* 17 =	14	(1.)	5 *from* 11 =	6
(2.)	6 „ 17 =	11	(2.)	3 „ 12 =	9
(3.)	9 „ 17 =	8	(3.)	6 „ 13 =	7
(4.)	8 „ 17 =	9	(4.)	9 „ 14 =	5
(5.)	5 „ 17 =	12	(5.)	8 „ 15 =	7
(6.)	7 „ 17 =	10	(6.)	2 „ 16 =	14
(7.)	2 „ 17 =	15	(7.)	4 „ 17 =	13
(8.)	4 „ 17 =	13	(8.)	7 „ 18 =	11
C			F		
(1.)	3 *from* 18 =	15	(1.)	7 *from* 11 =	4
(2.)	5 „ 18 =	13	(2.)	4 „ 12 =	8
(3.)	6 „ 18 =	12	(3.)	2 „ 13 =	11
(4.)	9 „ 18 =	9	(4.)	8 „ 14 =	6
(5.)	8 „ 18 =	10	(5.)	9 „ 15 =	6
(6.)	7 „ 18 =	11	(6.)	6 „ 16 =	10
(7.)	2 „ 18 =	16	(7.)	3 „ 17 =	14
(8.)	4 „ 18 =	14	(8.)	5 „ 18 =	13

EXERCISE 9.

A				Answers.	C				Answers.
(1.)	2	×	5	= 10	(1.)	3	×	2	= 6
(2.)	2	×	2	= 4	(2.)	12	×	2	= 24
(3.)	2	×	7	= 14	(3.)	9	×	2	= 18
(4.)	2	×	10	= 20	(4.)	11	×	2	= 22
(5.)	2	×	6	= 12	(5.)	8	×	2	= 16
(6.)	2	×	8	= 16	(6.)	4	×	2	= 8
(7.)	2	×	4	= 8	(7.)	1	×	2	= 2
(8.)	2	×	3	= 6	(8.)	6	×	2	= 12
(9.)	2	×	11	= 22	(9.)	10	×	2	= 20
(10.)	2	×	9	= 18	(10.)	7	×	2	= 14
(11.)	2	×	12	= 24	(11.)	2	×	2	= 4
(12.)	2	×	1	= 2	(12.)	5	×	2	= 10
B					D				
(1.)	3	×	3	= 9	(1.)	5	×	3	= 15
(2.)	3	×	12	= 36	(2.)	2	×	3	= 6
(3.)	3	×	9	= 27	(3.)	7	×	3	= 21
(4.)	3	×	11	= 33	(4.)	10	×	3	= 30
(5.)	3	×	1	= 3	(5.)	6	×	3	= 18
(6.)	3	×	4	= 12	(6.)	8	×	3	= 24
(7.)	3	×	8	= 24	(7.)	4	×	3	= 12
(8.)	3	×	6	= 18	(8.)	3	×	3	= 9
(9.)	3	×	10	= 30	(9.)	11	×	3	= 33
(10.)	3	×	7	= 21	(10.)	1	×	3	= 3
(11.)	3	×	2	= 6	(11.)	12	×	3	= 36
(12.)	3	×	5	= 15	(12.)	9	×	3	= 27

EXERCISE 10.

A				Answers.	C				Answers.
(1.)	4	×	3	= 12	(1.)	6	×	4	= 24
(2.)	4	×	7	= 28	(2.)	9	×	4	= 36
(3.)	4	×	2	= 8	(3.)	10	×	4	= 40
(4.)	4	×	6	= 24	(4.)	5	×	4	= 20
(5.)	4	×	4	= 16	(5.)	2	×	4	= 8
(6.)	4	×	12	= 48	(6.)	7	×	4	= 28
(7.)	4	×	10	= 40	(7.)	1	×	4	= 4
(8.)	4	×	8	= 32	(8.)	3	×	4	= 12
(9.)	4	×	1	= 4	(9.)	8	×	4	= 32
(10.)	4	×	5	= 20	(10.)	11	×	4	= 44
(11.)	4	×	9	= 36	(11.)	4	×	4	= 16
(12.)	4	×	11	= 44	(12.)	12	×	4	= 48
B					D				
(1.)	5	×	6	= 30	(1.)	3	×	5	= 15
(2.)	5	×	9	= 45	(2.)	7	×	5	= 35
(3.)	5	×	10	= 50	(3.)	2	×	5	= 10
(4.)	5	×	5	= 25	(4.)	6	×	5	= 30
(5.)	5	×	2	= 10	(5.)	4	×	5	= 20
(6.)	5	×	7	= 35	(6.)	12	×	5	= 60
(7.)	5	×	1	= 5	(7.)	10	×	5	= 50
(8.)	5	×	3	= 15	(8.)	8	×	5	= 40
(9.)	5	×	8	= 40	(9.)	1	×	5	= 5
(10.)	5	×	4	= 20	(10.)	5	×	5	= 25
(11.)	5	×	12	= 60	(11.)	11	×	5	= 55
(12.)	5	×	11	= 55	(12.)	9	×	5	= 45

EXERCISE 11.

A					Answers.	C					Answers.
(1.)	6	×	3	=	18	(1.)	5	×	6	=	30
(2.)	6	×	5	=	30	(2.)	9	×	6	=	54
(3.)	6	×	7	=	42	(3.)	2	×	6	=	12
(4.)	6	×	10	=	60	(4.)	12	×	6	=	72
(5.)	6	×	9	=	54	(5.)	8	×	6	=	48
(6.)	6	×	8	=	48	(6.)	3	×	6	=	18
(7.)	6	×	6	=	36	(7.)	11	×	6	=	66
(8.)	6	×	12	=	72	(8.)	6	×	6	=	36
(9.)	6	×	4	=	24	(9.)	4	×	6	=	24
(10.)	6	×	1	=	6	(10.)	1	×	6	=	6
(11.)	6	×	11	=	66	(11.)	7	×	6	=	42
(12.)	6	×	2	=	12	(12.)	10	×	6	=	60
B						D					
(1.)	7	×	5	=	35	(1.)	3	×	7	=	21
(2.)	7	×	9	=	63	(2.)	5	×	7	=	35
(3.)	7	×	2	=	14	(3.)	7	×	7	=	49
(4.)	7	×	12	=	84	(4.)	10	×	7	=	70
(5.)	7	×	8	=	56	(5.)	9	×	7	=	63
(6.)	7	×	3	=	21	(6.)	8	×	7	=	56
(7.)	7	×	11	=	77	(7.)	6	×	7	=	42
(8.)	7	×	6	=	42	(8.)	12	×	7	=	84
(9.)	7	×	4	=	28	(9.)	4	×	7	=	28
(10.)	7	×	1	=	7	(10.)	1	×	7	=	7
(11.)	7	×	7	=	49	(11.)	11	×	7	=	77
(12.)	7	×	10	=	70	(12.)	2	×	7	=	14

EXERCISE 10.

A					Answers.	C					Answers.
(1.)	4	×	3	=	12	(1.)	6	×	4	=	24
(2.)	4	×	7	=	28	(2.)	9	×	4	=	36
(3.)	4	×	2	=	8	(3.)	10	×	4	=	40
(4.)	4	×	6	=	24	(4.)	5	×	4	=	20
(5.)	4	×	4	=	16	(5.)	2	×	4	=	8
(6.)	4	×	12	=	48	(6.)	7	×	4	=	28
(7.)	4	×	10	=	40	(7.)	1	×	4	=	4
(8.)	4	×	8	=	32	(8.)	3	×	4	=	12
(9.)	4	×	1	=	4	(9.)	8	×	4	=	32
(10.)	4	×	5	=	20	(10.)	11	×	4	=	44
(11.)	4	×	9	=	36	(11.)	4	×	4	=	16
(12.)	4	×	11	=	44	(12.)	12	×	4	=	48
B						D					
(1.)	5	×	6	=	30	(1.)	3	×	5	=	15
(2.)	5	×	9	=	45	(2.)	7	×	5	=	35
(3.)	5	×	10	=	50	(3.)	2	×	5	=	10
(4.)	5	×	5	=	25	(4.)	6	×	5	=	30
(5.)	5	×	2	=	10	(5.)	4	×	5	=	20
(6.)	5	×	7	=	35	(6.)	12	×	5	=	60
(7.)	5	×	1	=	5	(7.)	10	×	5	=	50
(8.)	5	×	3	=	15	(8.)	8	×	5	=	40
(9.)	5	×	8	=	40	(9.)	1	×	5	=	5
(10.)	5	×	4	=	20	(10.)	5	×	5	=	25
(11.)	5	×	12	=	60	(11.)	11	×	5	=	55
(12.)	5	×	11	=	55	(12.)	9	×	5	=	45

EXERCISE 11.

A					Answers.	C					Answers.
(1.)	6	×	3	=	18	(1.)	5	×	6	=	30
(2.)	6	×	5	=	30	(2.)	9	×	6	=	54
(3.)	6	×	7	=	42	(3.)	2	×	6	=	12
(4.)	6	×	10	=	60	(4.)	12	×	6	=	72
(5.)	6	×	9	=	54	(5.)	8	×	6	=	48
(6.)	6	×	8	=	48	(6.)	3	×	6	=	18
(7.)	6	×	6	=	36	(7.)	11	×	6	=	66
(8.)	6	×	12	=	72	(8.)	6	×	6	=	36
(9.)	6	×	4	=	24	(9.)	4	×	6	=	24
(10.)	6	×	1	=	6	(10.)	1	×	6	=	6
(11.)	6	×	11	=	66	(11.)	7	×	6	=	42
(12.)	6	×	2	=	12	(12.)	10	×	6	=	60
B						D					
(1.)	7	×	5	=	35	(1.)	3	×	7	=	21
(2.)	7	×	9	=	63	(2.)	5	×	7	=	35
(3.)	7	×	2	=	14	(3.)	7	×	7	=	49
(4.)	7	×	12	=	84	(4.)	10	×	7	=	70
(5.)	7	×	8	=	56	(5.)	9	×	7	=	63
(6.)	7	×	3	=	21	(6.)	8	×	7	=	56
(7.)	7	×	11	=	77	(7.)	6	×	7	=	42
(8.)	7	×	6	=	42	(8.)	12	×	7	=	84
(9.)	7	×	4	=	28	(9.)	4	×	7	=	28
(10.)	7	×	1	=	7	(10.)	1	×	7	=	7
(11.)	7	×	7	=	49	(11.)	11	×	7	=	77
(12.)	7	×	10	=	70	(12.)	2	×	7	=	14

EXERCISE 12.

A											Answers.
(1.)	2	+	3	+	5	+	4	+	2	=	16
(2.)	3	+	4	+	8	+	3	+	6	=	24
(3.)	4	+	7	+	5	+	4	+	3	=	23
(4.)	5	+	5	+	9	+	5	+	4	=	28
(5.)	6	+	6	+	3	+	6	+	7	=	28
(6.)	7	+	8	+	2	+	7	+	5	=	29
(7.)	8	+	4	+	6	+	5	+	8	=	31
(8.)	9	+	2	+	8	+	6	+	3	=	28
(9.)	8	+	5	+	3	+	7	+	9	=	32
(10.)	7	+	2	+	7	+	8	+	2	=	26
(11.)	5	+	6	+	5	+	3	+	3	=	22
(12.)	6	+	3	+	4	+	1	+	4	=	18

B											
(1.)	9	+	2	+	5	+	2	+	2	=	20
(2.)	8	+	3	+	4	+	3	+	5	=	23
(3.)	7	+	4	+	3	+	8	+	6	=	28
(4.)	5	+	6	+	7	+	5	+	7	=	30
(5.)	6	+	5	+	2	+	6	+	8	=	27
(6.)	4	+	7	+	5	+	7	+	5	=	28
(7.)	3	+	8	+	6	+	3	+	2	=	22
(8.)	2	+	9	+	8	+	5	+	3	=	27
(9.)	1	+	8	+	9	+	8	+	9	=	35
(10.)	4	+	7	+	7	+	2	+	4	=	24
(11.)	5	+	6	+	2	+	9	+	2	=	24
(12.)	6	+	4	+	8	+	4	+	1	=	23

1

EXERCISE 13.

		Answers.
A		
(1.)	Eight + 5 + Six + 7 + Nine	35
(2.)	*Take* Fifteen *from* Twenty-five	10
(3.)	Eight *times* Six	48
(4.)	Seven + 6 + Nine + 8 + Three	33
(5.)	*From* 42 *take* Twenty-three	19
(6.)	Five *times* Nine	45
(7.)	Twelve + 3 + Seven + 6 + 4	32
(8.)	*Take* Nine *from* Nineteen	10
(9.)	Seven *times* Nine	63
(10.)	Eight + 6 + Seven + 12 + 3	36
(11.)	*From* Thirty-five *take* 16	19
(12.)	Nine *times* Four	36
B		
(1.)	Seven + 8 + Five + 6 + Three	29
(2.)	*Take* Eleven *from* 31	20
(3.)	Twelve *times* Two	24
(4.)	Five + 6 + Eleven + 7 + Eight	37
(5.)	*From* Twenty-nine *take* 13	16
(6.)	Ten *times* Five	50
(7.)	Seven + 6 + Ten + 5 + Nine	37
(8.)	*Take* Seventeen *from* Thirty	13
(9.)	Eleven *times* Seven	77
(10.)	Five + 15 + Six + 7 + Three	36
(11.)	*From* 41 *take* Twenty-seven	14
(12.)	Eight *times* Nine	72

EXERCISE 14.

A	Answers.
(1.) Eight + 6 + Seven + 5 + 3	29
(2.) *Take* Seventeen *from* 40	23
(3.) Six *times* Eleven	66
(4.) Nine + 5 + Eight + 7 + Six	35
(5.) *From* Fifty-three *take* 19	34
(6.) Eight *times* Five	40
(7.) Seven + 10 + Nine + 6 + 3	35
(8.) *Take* 15 *from* Twenty-five	10
(9.) Seven *times* Three	21
(10.) Twelve + 8 + 6 + 7 + Five	38
(11.) *From* 39 *take* Twenty-six	13
(12.) Six *times* Nine	54
B	
(1.) Seven + 8 + Five + 6 + Nine	35
(2.) *Take* 13 *from* Thirty-one	18
(3.) Five *times* Twelve	60
(4.) Five + 6 + Seven + 8 + 11	37
(5.) *From* 50 *take* Thirty-two	18
(6.) Nine *times* Four	36
(7.) Eight + 0 + Six + 17 + 3	34
(8.) *Take* 9 *from* Thirty-two	23
(9.) Eight *times* Three	24
(10.) Five + 16 + Seven + 9 + 3	40
(11.) *From* Twenty-six *take* 17	9
(12.) Five *times* Six	30

EXERCISE 15.

A	Answers.
(1.) Take **twice four** from 29	21
(2.) How many legs have **four** dogs and **two** hens?	20
(3.) How many **oranges** are there in a **dozen**?	12
(4.) How many **farthings** are there in **twopence**?	8
(5.) How many **pennies** are there in a **shilling**?	12
(6.) How many **halfpennies** are there in **sevenpence halfpenny**?	15
(7.) How many **apples** are there in a **score**?	20

B	
(1.) How many **fives** are there in 20?	4
(2.) Take a **dozen** oranges from a **score**. How many are there left?	8
(3.) How many **twopences** are there in a **shilling**?	6
(4.) How many **ounces** are there in a **pound**?	16
(5.) Tom had 17 apples. He ate 4 and gave 5 away. How many had he left?	8
(6.) Out of a **shilling** Sam spent **fivepence**. What had he left?	7d.
(7.) Add **three** times **three** to **three** times **seven**	30

EXERCISE 16.

A	Answers.
(1.) How many **shillings** in a **pound**?..	.....20.....
(2.) **8** pears cost **twopence**. How much was **one** pear worth?.....	.....$\frac{1}{4}$d.....
(3.) If **two** apples cost a **penny**, how much will **seven** apples cost?.....	.....3$\frac{1}{2}$d.....
(4.) Take **three** times **three** from **four** times **four**.....	.....7.....
(5.) How many **fingers** and **thumbs** and **toes** have **3** boys?.....	.....60.....
(6.) How many **threepences** are there in **two shillings**?.....	.....8.....
(7.) How many **inches** are there in **half a yard**?.....	.....18.....

B	
(1.) Take **3** × **5** from **5** × **3**.....	.....0.....
(2.) A pencil cost 1$\frac{1}{2}$d. How many may be bought for a **shilling**?.....	.....8.....
(3.) How many **pennies** are there in **three shillings**?.....	.....36.....
(4.) How many **inches** are there in a **foot**?.....	.....12.....
(5.) How many **letters** are there in the **alphabet**?.....	.....26.....
(6.) Tom had a **dozen** marbles, Sam had **20**, and John **5**. How many had they all?	.....37.....
(7.) An apple cost a **halfpenny**. How many may be bought for **fivepence**?	.....10.....

EXERCISE 1.

A		Answers.	C		Answers.
(1.)	5 × 2 =	10	(1.)	2 × 4 =	8
(2.)	7 × 2 =	14	(2.)	7 × 4 =	28
(3.)	6 × 2 =	12	(3.)	4 × 4 =	16
(4.)	9 × 2 =	18	(4.)	8 × 4 =	32
(5.)	4 × 2 =	8	(5.)	3 × 4 =	12
(6.)	10 × 2 =	20	(6.)	9 × 4 =	36
(7.)	8 × 2 =	16	(7.)	12 × 4 =	48
(8.)	1 × 2 =	2	(8.)	5 × 4 =	20
(9.)	11 × 2 =	22	(9.)	10 × 4 =	40
(10.)	3 × 2 =	6	(10.)	1 × 4 =	4
(11.)	12 × 2 =	24	(11.)	6 × 4 =	24
(12.)	2 × 2 =	4	(12.)	11 × 4 =	44
B			D		
(1.)	3 × 3 =	9	(1.)	5 × 5 =	25
(2.)	12 × 3 =	36	(2.)	7 × 5 =	35
(3.)	2 × 3 =	6	(3.)	10 × 5 =	50
(4.)	11 × 3 =	33	(4.)	2 × 5 =	10
(5.)	1 × 3 =	3	(5.)	6 × 5 =	30
(6.)	8 × 3 =	24	(6.)	1 × 5 =	5
(7.)	4 × 3 =	12	(7.)	3 × 5 =	15
(8.)	10 × 3 =	30	(8.)	8 × 5 =	40
(9.)	9 × 3 =	27	(9.)	11 × 5 =	55
(10.)	7 × 3 =	21	(10.)	4 × 5 =	20
(11.)	5 × 3 =	15	(11.)	9 × 5 =	45
(12.)	6 × 3 =	18	(12.)	12 × 5 =	60

EXERCISE 2.

A		Answers.	C		Answers.
(1.)	2 *in* 10 =	.....5.....	(1.)	4 *in* 12 =	.....3.....
(2.)	2 „ 8 =	.....4.....	(2.)	4 „ 20 =	.....5.....
(3.)	2 „ 14 =	.....7.....	(3.)	4 „ 32 =	.....8.....
(4.)	2 „ 4 =	.....2.....	(4.)	4 „ 44 =	.....11.....
(5.)	2 „ 20 =	.....10.....	(5.)	4 „ 4 =	.....1.....
(6.)	2 „ 12 =	.....6.....	(6.)	4 „ 24 =	.....6.....
(7.)	2 „ 22 =	.....11.....	(7.)	4 „ 36 =	.....9.....
(8.)	2 „ 6 =	.....3.....	(8.)	4 „ 8 =	.....2.....
(9.)	2 „ 24 =	.....12.....	(9.)	4 „ 28 =	.....7.....
(10.)	2 „ 2 =	.....1.....	(10.)	4 „ 40 =	.....10.....
(11.)	2 „ 18 =	.....9.....	(11.)	4 „ 48 =	.....12.....
(12.)	2 „ 16 =	.....8.....	(12.)	4 „ 16 =	.....4.....
B			D		
(1.)	3 *in* 6 =	.....2.....	(1.)	5 *in* 15 =	.....3.....
(2.)	3 „ 15 =	.....5.....	(2.)	5 „ 25 =	.....5.....
(3.)	3 „ 21 =	.....7.....	(3.)	5 „ 40 =	.....8.....
(4.)	3 „ 3 =	.....1.....	(4.)	5 „ 55 =	.....11.....
(5.)	3 „ 27 =	.....9.....	(5.)	5 „ 5 =	.....1.....
(6.)	3 „ 30 =	.....10.....	(6.)	5 „ 30 =	.....6.....
(7.)	3 „ 18 =	.....6.....	(7.)	5 „ 45 =	.....9.....
(8.)	3 „ 9 =	.....3.....	(8.)	5 „ 60 =	.....12.....
(9.)	3 „ 36 =	.....12.....	(9.)	5 „ 10 =	.....2.....
(10.)	3 „ 24 =	.....8.....	(10.)	5 „ 35 =	.....7.....
(11.)	3 „ 33 =	.....11.....	(11.)	5 „ 50 =	.....10.....
(12.)	3 „ 12 =	.....4.....	(12.)	5 „ 20 =	.....4.....

EXERCISE 3.

		Answers.
A		
(1.)	9 + 3 + 4 + 5 + 6 + 7 =	34
(2.)	8 + 2 + 0 + 1 + 2 + 3 =	16
(3.)	7 + 5 + 6 + 7 + 8 + 9 =	42
(4.)	0 + 1 + 2 + 3 + 4 + 5 =	15
(5.)	6 + 4 + 8 + 9 + 0 + 1 =	28
(6.)	2 + 3 + 4 + 5 + 6 + 7 =	27
(7.)	8 + 9 + 0 + 1 + 2 + 3 =	23
(8.)	4 + 5 + 6 + 7 + 8 + 9 =	39
B		
(1.)	1 + 2 + 3 + 4 + 5 + 6 =	21
(2.)	7 + 8 + 9 + 0 + 2 + 3 =	29
(3.)	4 + 7 + 8 + 1 + 2 + 5 =	27
(4.)	3 + 2 + 3 + 2 + 3 + 8 =	21
(5.)	4 + 1 + 4 + 1 + 4 + 0 =	14
(6.)	5 + 0 + 5 + 0 + 5 + 1 =	16
(7.)	6 + 9 + 6 + 9 + 6 + 2 =	38
(8.)	7 + 8 + 7 + 8 + 7 + 3 =	40
C		
(1.)	3 + 5 + 6 + 8 + 9 + 2 =	33
(2.)	4 + 6 + 7 + 9 + 5 + 3 =	34
(3.)	5 + 7 + 8 + 1 + 6 + 4 =	31
(4.)	6 + 8 + 9 + 2 + 3 + 7 =	35
(5.)	7 + 9 + 1 + 3 + 5 + 6 =	31
(6.)	8 + 1 + 2 + 4 + 6 + 3 =	24
(7.)	9 + 2 + 3 + 5 + 7 + 6 =	32
(8.)	2 + 3 + 4 + 6 + 9 + 8 =	32

EXERCISE 4.

A		Answers.	D		Answers.
(1.)	20 − 9 =	11	(1.)	26 − 19 =	7
(2.)	17 − 8 =	9	(2.)	35 − 17 =	18
(3.)	30 − 17 =	13	(3.)	42 − 29 =	13
(4.)	25 − 6 =	19	(4.)	31 − 16 =	15
(5.)	19 − 12 =	7	(5.)	27 − 18 =	9
(6.)	26 − 19 =	7	(6.)	19 − 5 =	14
(7.)	18 − 12 =	6	(7.)	53 − 35 =	18
(8.)	15 − 8 =	7	(8.)	38 − 29 =	9
B			E		
(1.)	26 − 13 =	13	(1.)	67 − 58 =	9
(2.)	35 − 17 =	18	(2.)	37 − 18 =	19
(3.)	19 − 11 =	8	(3.)	29 − 16 =	13
(4.)	40 − 32 =	8	(4.)	41 − 17 =	24
(5.)	22 − 9 =	13	(5.)	26 − 18 =	8
(6.)	31 − 15 =	16	(6.)	30 − 16 =	14
(7.)	29 − 19 =	10	(7.)	45 − 39 =	6
(8.)	18 − 7 =	11	(8.)	27 − 18 =	9
C			F		
(1.)	43 − 34 =	9	(1.)	32 − 23 =	9
(2.)	32 − 13 =	19	(2.)	26 − 16 =	10
(3.)	26 − 17 =	9	(3.)	53 − 34 =	19
(4.)	37 − 18 =	19	(4.)	47 − 28 =	19
(5.)	41 − 12 =	29	(5.)	35 − 16 =	19
(6.)	39 − 27 =	12	(6.)	72 − 27 =	45
(7.)	46 − 18 =	28	(7.)	28 − 19 =	9
(8.)	34 − 15 =	19	(8.)	34 − 16 =	18

EXERCISE 5.

A		Answers.	C		Answers.
(1.)	2 × 6 =	12	(1.)	9 × 8 =	72
(2.)	6 × 6 =	36	(2.)	1 × 8 =	8
(3.)	3 × 6 =	18	(3.)	5 × 8 =	40
(4.)	8 × 6 =	48	(4.)	10 × 8 =	80
(5.)	7 × 6 =	42	(5.)	2 × 8 =	16
(6.)	5 × 6 =	30	(6.)	7 × 8 =	56
(7.)	10 × 6 =	60	(7.)	11 × 8 =	88
(8.)	4 × 6 =	24	(8.)	3 × 8 =	24
(9.)	7 × 6 =	42	(9.)	12 × 8 =	96
(10.)	12 × 6 =	72	(10.)	4 × 8 =	32
(11.)	1 × 6 =	6	(11.)	6 × 8 =	48
(12.)	9 × 6 =	54	(12.)	8 × 8 =	64
B			D		
(1.)	5 × 7 =	35	(1.)	3 × 9 =	27
(2.)	6 × 7 =	42	(2.)	7 × 9 =	63
(3.)	9 × 7 =	63	(3.)	11 × 9 =	99
(4.)	1 × 7 =	7	(4.)	4 × 9 =	36
(5.)	4 × 7 =	28	(5.)	8 × 9 =	72
(6.)	10 × 7 =	70	(6.)	12 × 9 =	108
(7.)	2 × 7 =	14	(7.)	2 × 9 =	18
(8.)	7 × 7 =	49	(8.)	5 × 9 =	45
(9.)	12 × 7 =	84	(9.)	9 × 9 =	81
(10.)	3 × 7 =	21	(10.)	1 × 9 =	9
(11.)	8 × 7 =	56	(11.)	10 × 9 =	90
(12.)	11 × 7 =	77	(12.)	6 × 9 =	54

EXERCISE 6.

A		Answers.	C		Answers.
(1.)	6 *in* 18 =	.....3.....	(1.)	8 *in* 48 =	.....6.....
(2.)	6 „ 30 =	.....5.....	(2.)	8 „ 24 =	.....3.....
(3.)	6 „ 48 =	.....8.....	(3.)	8 „ 80 =	.....10.....
(4.)	6 „ 66 =	.....11.....	(4.)	8 „ 40 =	.....5.....
(5.)	6 „ 6 =	.....1.....	(5.)	8 „ 56 =	.....7.....
(6.)	6 „ 36 =	.....6.....	(6.)	8 „ 8 =	.....1.....
(7.)	6 „ 54 =	.....9.....	(7.)	8 „ 88 =	.....11.....
(8.)	6 „ 12 =	.....2.....	(8.)	8 „ 64 =	.....8.....
(9.)	6 „ 72 =	.....12.....	(9.)	8 „ 16 =	.....2.....
(10.)	6 „ 42 =	.....7.....	(10.)	8 „ 96 =	.....12.....
(11.)	6 „ 60 =	.....10.....	(11.)	8 „ 72 =	.....9.....
(12.)	6 „ 24 =	.....4.....	(12.)	8 „ 32 =	.....4.....
B			D		
(1.)	7 *in* 28 =	.....4.....	(1.)	9 *in* 45 =	.....5.....
(2.)	7 „ 56 =	.....8.....	(2.)	9 „ 81 =	.....9.....
(3.)	7 „ 14 =	.....2.....	(3.)	9 „ 27 =	.....3.....
(4.)	7 „ 35 =	.....5.....	(4.)	9 „ 99 =	.....11.....
(5.)	7 „ 63 =	.....9.....	(5.)	9 „ 54 =	.....6.....
(6.)	7 „ 7 =	.....1.....	(6.)	9 „ 9 =	.....1.....
(7.)	7 „ 70 =	.....10.....	(7.)	9 „ 90 =	.....10.....
(8.)	7 „ 42 =	.....6.....	(8.)	9 „ 63 =	.....7.....
(9.)	7 „ 84 =	.....12.....	(9.)	9 „ 18 =	.....2.....
(10.)	7 „ 21 =	.....3.....	(10.)	9 „ 108 =	.....12.....
(11.)	7 „ 77 =	.....11.....	(11.)	9 „ 72 =	.....8.....
(12.)	7 „ 49 =	.....7.....	(12.)	9 „ 36 =	.....4.....

EXERCISE 7.

A		Answers.
(1.)	10 + 2 + 9 + 5 + 8 + 7 =	.....41.....
(2.)	20 + 3 + 8 + 6 + 7 + 5 =	.....49.....
(3.)	30 + 4 + 7 + 7 + 6 + 8 =	.....62.....
(4.)	40 + 5 + 6 + 8 + 5 + 9 =	.....73.....
(5.)	50 + 6 + 5 + 9 + 4 + 6 =	.....80.....
(6.)	60 + 7 + 4 + 0 + 3 + 4 =	.....78.....
(7.)	70 + 8 + 3 + 2 + 1 + 2 =	.....86.....
(8.)	80 + 9 + 2 + 1 + 2 + 3 =	.....97.....

B		
(1.)	12 + 8 + 11 + 7 + 18 + 4 =	.....60.....
(2.)	14 + 9 + 12 + 6 + 19 + 7 =	.....67.....
(3.)	16 + 7 + 13 + 5 + 20 + 8 =	.....69.....
(4.)	18 + 6 + 14 + 9 + 15 + 5 =	.....67.....
(5.)	22 + 5 + 15 + 4 + 13 + 6 =	.....65.....
(6.)	24 + 6 + 16 + 3 + 12 + 6 =	.....67.....
(7.)	26 + 7 + 17 + 8 + 11 + 3 =	.....72.....
(8.)	28 + 5 + 13 + 9 + 10 + 5 =	.....70.....

C		
(1.)	11 + 6 + 12 + 3 + 12 + 6 =	.....50.....
(2.)	13 + 8 + 11 + 7 + 15 + 7 =	.....61.....
(3.)	15 + 4 + 13 + 6 + 16 + 5 =	.....59.....
(4.)	17 + 2 + 15 + 5 + 14 + 4 =	.....57.....
(5.)	19 + 5 + 14 + 8 + 17 + 8 =	.....71.....
(6.)	21 + 7 + 16 + 4 + 13 + 9 =	.....70.....
(7.)	23 + 9 + 18 + 9 + 12 + 5 =	.....76.....
(8.)	25 + 3 + 17 + 2 + 18 + 7 =	.....72.....

EXERCISE 8.

A	Answers.
(1.) *Take* nineteen *from* twenty-nine	10
(2.) *From* twenty-two *take* seventeen	5
(3.) *Take* thirteen *from* thirty-one	18
(4.) *From* forty *take* twenty-three	17
(5.) *Take* nineteen *from* thirty-five	16
(6.) *From* fifty-one *take* fifteen	36
(7.) *Take* eighteen *from* thirty-two	14
(8.) *From* thirty-three *take* fourteen	19

B	
(1.) *Take* eleven *from* forty	29
(2.) *From* twenty *take* nine	11
(3.) *Take* twelve *from* thirty-one	19
(4.) *From* thirty *take* seventeen	13
(5.) *Take* thirteen *from* twenty-two	9
(6.) *From* forty *take* fifteen	25
(7.) *Take* fourteen *from* sixty-two	48
(8.) *From* fifty *take* twenty-nine	21

C	
(1.) *Take* twenty-five *from* fifty-two	27
(2.) *From* sixty-one *take* thirty-seven	24
(3.) *Take* thirty-eight *from* eighty-six	48
(4.) *From* fifty-three *take* eight	45
(5.) *Take* forty-six *from* fifty-four	8
(6.) *From* ninety-two *take* seven	85
(7.) *Take* twenty-eight *from* fifty-six	28
(8.) *From* one hundred *take* eleven	89

EXERCISE 9.

A		Answers.	C		Answers.
(1.)	6 × 10 =	.....60.....	(1.)	7 × 12 =	.....84.....
(2.)	12 × 10 =	..120.....	(2.)	11 × 12 =	...132.....
(3.)	7 × 10 =	.....70.....	(3.)	2 × 12 =	.....24.....
(4.)	2 × 10 =	.....20.....	(4.)	8 × 12 =	.....96.....
(5.)	8 × 10 =	.....80.....	(5.)	5 × 12 =	.....60.....
(6.)	3 × 10 =	.....30.....	(6.)	12 × 12 =	..144.....
(7.)	9 × 10 =	.....90.....	(7.)	9 × 12 =	..108.....
(8.)	4 × 10 =	.....40.....	(8.)	3 × 12 =	.....36.....
(9.)	10 × 10 =	..100.....	(9.)	6 × 12 =	.....72.....
(10.)	5 × 10 =	.....50.....	(10.)	1 × 12 =	.....12.....
(11.)	11 × 10 =	...110.....	(11.)	10 × 12 =	..120.....
(12.)	1 × 10 =	..... 10.....	(12.)	4 × 12 =	.....48.....
B			D		
(1.)	5 × 11 =	.....55.....	(1.)	10 × 13 =	..130.....
(2.)	9 × 11 =	.....99.....	(2.)	1 × 13 =	.....13.....
(3.)	1 × 11 =	.....11.....	(3.)	4 × 13 =	.....52.....
(4.)	6 × 11 =	.....66.....	(4.)	7 × 13 =	.....91.....
(5.)	10 × 11 =	...110.....	(5.)	11 × 13 =	...143.....
(6.)	2 × 11 =	.....22.....	(6.)	2 × 13 =	.....26.....
(7.)	4 × 11 =	.....44.....	(7.)	5 × 13 =	.....65.....
(8.)	7 × 11 =	.....77.....	(8.)	8 × 13 =	..104.....
(9.)	11 × 11 =	...121.....	(9.)	12 × 13 =	..156.....
(10.)	3 × 11 =	.....33.....	(10.)	3 × 13 =	.... 39.....
(11.)	12 × 11 =	...132.....	(11.)	6 × 13 =	.....78.....
(12.)	8 × 11 =	.....88.....	(12.)	9 × 13 =	...117.....

EXERCISE 10.

A		Answers.	C		Answers.
(1.)	10 *in* 40 =	....4....	(1.)	12 *in* 36 =	....3....
(2.)	10 „ 60 =	....6....	(2.)	12 „ 60 =	....5....
(3.)	10 „ 90 =	....9....	(3.)	12 „ 108 =	....9....
(4.)	10 „ 70 =	....7....	(4.)	12 „ 144 =	....12....
(5.)	10 „ 50 =	....5....	(5.)	12 „ 24 =	....2....
(6.)	10 „ 100 =	....10....	(6.)	12 „ 72 =	....6....
(7.)	10 „ 30 =	....3....	(7.)	12 „ 120 =	....10....
(8.)	10 „ 20 =	....2....	(8.)	12 „ 12 =	....1....
(9.)	10 „ 80 =	....8....	(9.)	12 „ 84 =	....7....
(10.)	10 „ 120 =	....12....	(10.)	12 „ 132 =	....11....
(11.)	10 „ 10 =	....1....	(11.)	12 „ 96 =	....8....
(12.)	10 „ 110 =	....11....	(12.)	12 „ 48 =	....4....
B			D		
(1.)	11 *in* 44 =	....4....	(1.)	10 *in* 110 =	....11....
(2.)	11 „ 110 =	....10....	(2.)	12 „ 84 =	....7....
(3.)	11 „ 88 =	....8....	(3.)	8 „ 96 =	....12....
(4.)	11 „ 66 =	....6....	(4.)	9 „ 81 =	....9....
(5.)	11 „ 11 =	....1....	(5.)	7 „ 49 =	....7....
(6.)	11 „ 55 =	....5....	(6.)	5 „ 45 =	....9....
(7.)	11 „ 121 =	....11....	(7.)	4 „ 36 =	....9....
(8.)	11 „ 22 =	....2....	(8.)	6 „ 54 =	....9....
(9.)	11 „ 77 =	....7....	(9.)	8 „ 72 =	....9....
(10.)	11 „ 132 =	....12....	(10.)	3 „ 21 =	....7....
(11.)	11 „ 33 =	....3....	(11.)	2 „ 18 =	....9....
(12.)	11 „ 99 =	....9....	(12.)	11 „ 55 =	....5....

EXERCISE 11.

		Answers.
A		
(1.)	2 + 6 × 3 ÷ 6 × 5 − 18 =	.....2.....
(2.)	7 × 3 − 9 × 4 + 3 − 27 =	.....24.....
(3.)	8 + 6 + 5 − 6 × 3 − 12 =	.....27.....
(4.)	5 × 5 − 15 × 5 − 25 ÷ 5 =	.....5.....
(5.)	7 + 6 + 7 + 5 − 4 ÷ 7 =	.....3.....
(6.)	9 × 8 − 2 ÷ 7 × 3 − 19 =	.....11.....
(7.)	4 + 5 + 3 × 12 − 4 ÷ 7 =	.....20.....
(8.)	3 + 5 × 4 − 2 ÷ 5 × 8 =	.....48.....
B		
(1.)	8 × 6 − 3 ÷ 9 × 7 − 16 =	.....19.....
(2.)	7 + 3 + 9 × 2 + 1 ÷ 3 =	.....13.....
(3.)	6 × 9 + 2 ÷ 8 × 6 − 17 =	.....25.....
(4.)	5 + 7 + 9 + 7 × 2 ÷ 7 =	.....8.....
(5.)	4 × 9 ÷ 12 × 11 − 1 ÷ 8 =	.....4.....
(6.)	3 + 16 − 7 × 7 − 3 ÷ 9 =	.....9.....
(7.)	9 × 5 + 3 ÷ 6 × 8 − 17 =	.....47.....
(8.)	2 + 6 × 7 − 2 ÷ 9 × 3 =	.....18.....
C		
(1.)	5 × 6 + 3 ÷ 11 × 7 − 16 =	.....5.....
(2.)	7 + 8 × 3 + 3 ÷ 16 × 3 =	.....9.....
(3.)	8 × 9 − 2 ÷ 10 × 7 − 26 =	.....23.....
(4.)	9 × 9 + 3 ÷ 7 × 10 − 20 =	..100.....
(5.)	6 + 6 + 6 − 9 × 10 ÷ 5 =	.....18.....
(6.)	3 × 4 − 2 × 10 − 4 ÷ 8 =	.....12.....
(7.)	4 + 6 − 1 × 7 + 1 ÷ 8 =	.....8.....
(8.)	$\frac{10}{2}$ + 8 − 1 × 2 + 1 ÷ 5 =	.....7.....

EXERCISE 12.

A		Answers.
(1.)	5 × 3 + 1 × 2 ÷ 8 × 7 =	28
(2.)	8 − 1 × 7 − 1 ÷ 6 × 5 =	40
(3.)	3 + 6 + 8 × 2 + 1 ÷ 7 =	5
(4.)	10 × 5 + 6 ÷ 7 × 9 − 25 =	47
(5.)	9 − 2 × 4 − 1 ÷ 9 × 6 =	18
(6.)	12 × 10 + 1 ÷ 11 × 5 − 16 =	39
(7.)	7 + 6 + 5 ÷ 3 × 5 − 19 =	11
(8.)	6 + 2 × 3 + 1 × 2 ÷ 5 =	10

B		
(1.)	9 × 4 − 1 × 2 + 2 ÷ 8 =	9
(2.)	8 + 12 + 2 × 2 + 1 ÷ 9 =	5
(3.)	13 × 2 + 1 − 15 × 4 − 18 =	30
(4.)	19 − 6 × 4 + 2 ÷ 9 × 2 =	12
(5.)	7 × 6 + 3 × 2 ÷ 9 × 3 =	30
(6.)	14 − 5 × 6 + 1 ÷ 11 × 7 =	35
(7.)	3 + 12 + 17 ÷ 8 × 9 − 9 =	27
(8.)	8 × 3 + 3 + 5 × 2 ÷ 8 =	8

C		
(1.)	10 + 6 − 4 × 3 − 1 ÷ 7 =	5
(2.)	4 × 4 × 4 ÷ 8 × 3 − 4 =	20
(3.)	6 × 6 − 6 ÷ 5 × 7 − 26 =	16
(4.)	9 + 12 ÷ 3 × 9 + 1 ÷ 8 =	8
(5.)	5 × 3 + 7 × 2 + 1 ÷ 5 =	9
(6.)	19 − 6 × 2 + 2 ÷ 7 × 3 =	12
(7.)	4 × 5 + 8 ÷ 7 × 6 − 16 =	8
(8.)	3 × 10 − 5 × 2 − 5 ÷ 9 =	5

EXERCISE 13.

A		Answers.
(1.)	How many **farthings** in 4d.?	16
(2.)	How many **halfpence** in 3½d.?	7
(3.)	How many **pence** in 3s.?	36
(4.)	How many **twopences** in 2s.?	12
(5.)	How many **threepences** in 3s.?	12
(6.)	How many **fourpences** in 4s.?	12
(7.)	How many **sixpences** in 6s. 6d.?	13
(8.)	How many **shillings** in £2?	40

B		
(1.)	How many **farthings** in 7d.?	28
(2.)	How many **pence** in 2s. 6d.?	30
(3.)	How many **halfpence** in 9½d.?	19
(4.)	How many **sixpences** in 10s. 6d.?	21
(5.)	How many **threepences** in 2s. 9d.?	11
(6.)	How many **shillings** in £5?	100
(7.)	How many **fourpences** in 4s. 8d.?	14
(8.)	How many **twopences** in 1s. 6d.?	9

C		
(1.)	How many **pence** in 3s. 6d.?	42
(2.)	How many **halfpence** in 10½d.?	21
(3.)	How many **farthings** in 8¾d.?	35
(4.)	How many **twopences** in 2s. 6d.?	15
(5.)	How many **sixpences** in 3s. 6d.?	7
(6.)	How many **threepences** in 10s.?	40
(7.)	How many **shillings** in £7, 10s.?	150
(8.)	How many **fourpences** in 7s. 8d.?	23

EXERCISE 14.

A	Answers.
(1.) How many **pence** in 24 farthings?.....	.....6.....
(2.) How many **shillings** in 84 pence?....	.....7.....
(3.) How many **pounds** in 80 shillings?....	.....4.....
(4.) How many **half-crowns** in 7s. 6d.?	.....3.....
(5.) How many **threepences** in 48 pence?	.....16.....
(6.) How many **sixpences** in 30d.?.....	.....5.....
(7.) How many **crowns** in £5?.....	.....20.....
(8.) How many **twopences** in 6s. 6d.?....	.....39.....

B	
(1.) How many **pence** in 82 farthings?.....	.....8.....
(2.) How many **sixpences** in £2?.....	.....80.....
(3.) How many **pence** in 48 farthings?.....	.....12.....
(4.) How many **shillings** in 72 pence?.....	.....6.....
(5.) How many **pence** in 36 farthings?.....	.....9.....
(6.) How many **pounds** in 60 shillings?...	.....3.....
(7.) How many **sixpences** in £3, 5s.?....	..130.....
(8.) How many **pence** in 80 farthings?.....	.....20.....

C	
(1.) How many **threepences** in 5s.?.....	.....20.....
(2.) How many **half-crowns** in £5?.....	.....40.....
(3.) How many **pence** in 56 farthings?.....	.....14.....
(4.) How many **shillings** in 84 pence?....	.....7.....
(5.) How many **sixpences** in a **crown**?	.....10.....
(6.) How many **fourpences** in a **crown**?	.....15.....
(7.) How many **pence** in a **crown**?.....	.....60.....
(8.) How many **pounds** in 100 shillings?	.....5.....

EXERCISE 15.

		Answers.	
A			
(1.)	Take $8\frac{1}{2}$d. from one shilling	0	$3\frac{1}{2}$
(2.)	Five loaves at $4\frac{1}{2}$d. each	1	$10\frac{1}{2}$
(3.)	A dozen oranges at 1d. each	1	0
(4.)	Take a halfpenny from sixpence	0	$5\frac{1}{2}$
(5.)	Seven books at 3d. each	1	9
(6.)	Two dozen apples at $1\frac{1}{2}$d. each	3	0
(7.)	Six pounds of sugar at $4\frac{1}{2}$d.	2	3
(8.)	Add $3\frac{1}{2}$d. + $2\frac{1}{2}$d. + $4\frac{1}{4}$d. + $7\frac{3}{4}$d.	1	6
B			
(1.)	A dozen tops at $\frac{1}{2}$d. each	0	6
(2.)	Take ninepence from 2s.	1	3
(3.)	Four pounds of tea at 2s. 6d.	10	0
(4.)	Add 6d. + 2d. + $5\frac{1}{2}$d. + 7d.	1	$8\frac{1}{2}$
(5.)	Take elevenpence from 3s. 6d.	2	7
(6.)	Nine straw hats at 1s. $1\frac{1}{2}$d. each	10	$1\frac{1}{2}$
(7.)	A dozen pens at two for a penny	0	6
(8.)	Add $7\frac{1}{2}$d. to a half-crown	3	$1\frac{1}{2}$
C			
(1.)	Take $2\frac{3}{4}$d. from a shilling	0	$9\frac{1}{4}$
(2.)	Twenty slates at $2\frac{1}{2}$d. each	4	2
(3.)	Add 5d. + 11d. + $3\frac{1}{4}$d. + 1d. + $6\frac{1}{2}$d.	2	$2\frac{3}{4}$
(4.)	From a shilling take $5\frac{1}{4}$d.	0	$6\frac{3}{4}$
(5.)	A dozen glasses at $4\frac{1}{2}$d. each	4	6
(6.)	Take 1s. $6\frac{1}{2}$d. from 3s. $2\frac{1}{4}$d.	1	$7\frac{3}{4}$
(7.)	Add $3\frac{1}{2}$d. + $4\frac{1}{2}$d. + $5\frac{1}{2}$d. + $6\frac{1}{2}$d.	1	8
(8.)	Eleven balls at $1\frac{1}{2}$d. each	1	$4\frac{1}{2}$

EXERCISE 16.

A	Answers.
(1.) Add 17 + 16 + 5 + 13 + 9	60
(2.) Take fifteen from 102	87
(3.) Multiply 32 by seven	224
(4.) Divide 168 by eight	21
(5.) How many farthings in 7½d.?	30
(6.) A dozen glasses at 3½d. each	3s. 6d.
(7.) Take 2½d. from a half-crown	2s. 3½d.
(8.) Add 1½d. + 3¼d. + 7½d. + 5d.	1s. 5¼d.

B	
(1.) Take 29 from eighty-seven	58
(2.) In 70 how many fives?	14
(3.) Add 16 + 15 + 25 + 13 + 2	71
(4.) Multiply 56 by nine	504
(5.) Take sevenpence from 5s.	4s. 5d.
(6.) Twenty hats at 9½d. each	15s. 10d.
(7.) How many pence in 7s. 3d.?	87
(8.) How many shillings in 43 pence?	3s. 7d.

C	
(1.) Add 1¼d. + 2¼d. + 3¼d. + 4¼d.	11d.
(2.) Add 17 + 19 + 18 + 21 + 6	81
(3.) Multiply 136 by four	544
(4.) Take 1s. 10½d. from a crown	3s. 1½d.
(5.) How many days in 4 weeks?	28
(6.) How many minutes in half-an-hour	30
(7.) How many sixpences in 5s. 6d.?	11
(8.) How many sevens in eighty-four?	12

EXERCISE 1.

		Answers.
A		
(1.)	10 + 5 + 21 + 7 + 12 =	.....55.....
(2.)	11 + 7 + 20 + 8 + 14 =	.....60.....
(3.)	12 + 8 + 19 + 5 + 16 =	.....60.....
(4.)	13 + 3 + 18 + 9 + 18 =	.....61.....
(5.)	14 + 6 + 17 + 1 + 20 =	.....58.....
(6.)	15 + 2 + 16 + 4 + 19 =	.....56.....
(7.)	16 + 4 + 15 + 2 + 21 =	.....58.....
(8.)	17 + 1 + 14 + 6 + 10 =	.....48.....
B		
(1.)	18 + 9 + 26 + 3 + 19 =	.....75.....
(2.)	19 + 5 + 28 + 8 + 17 =	.....77.....
(3.)	10 + 8 + 27 + 7 + 15 =	.....67.....
(4.)	11 + 7 + 29 + 5 + 13 =	.....65.....
(5.)	12 + 6 + 21 + 4 + 14 =	.....57.....
(6.)	13 + 2 + 22 + 6 + 24 =	.....67.....
(7.)	14 + 3 + 23 + 9 + 23 =	.....72.....
(8.)	15 + 4 + 24 + 2 + 24 =	.....69.....
C		
(1.)	5 + 15 + 25 + 35 + 45 =	..125.....
(2.)	6 + 16 + 26 + 36 + 46 =	..130.....
(3.)	7 + 17 + 27 + 37 + 47 =	..135.....
(4.)	8 + 18 + 28 + 38 + 48 =	..140.....
(5.)	9 + 19 + 29 + 39 + 49 =	..145.....
(6.)	10 + 20 + 30 + 40 + 50 =	..150.....
(7.)	11 + 13 + 15 + 17 + 19 =	.....75.....
(8.)	12 + 14 + 16 + 18 + 20 =	.....80.....

EXERCISE 2.

			Answers.
A			
(1.)	4 + 5 + 6 + 7 *from* 53 =		.....31.....
(2.)	5 + 4 + 8 + 8 *from* 42 =		.....17.....
(3.)	6 + 3 + 4 + 5 *from* 100 =		.....82.....
(4.)	7 + 5 + 6 + 4 *from* 74 =		.....52.....
(5.)	8 + 7 + 3 + 5 *from* 61 =		.....38.....
(6.)	7 + 3 + 6 + 8 *from* 83 =		.....59.....
(7.)	5 + 7 + 4 + 2 *from* 101 =		.....83.....
(8.)	6 + 9 + 4 + 5 *from* 51 =		.....27.....
B			
(1.)	8 + 4 + 6 + 9 *from* 108 =		.....81.....
(2.)	9 + 8 + 3 + 5 *from* 90 =		.....65.....
(3.)	6 + 8 + 6 + 8 *from* 56 =		.....28.....
(4.)	7 + 4 + 5 + 9 *from* 91 =		.....66.....
(5.)	8 + 5 + 8 + 9 *from* 120 =		.....90.....
(6.)	9 + 7 + 3 + 8 *from* 54 =		.....27.....
(7.)	6 + 5 + 6 + 5 *from* 100 =		.....78.....
(8.)	8 + 9 + 5 + 4 *from* 75 =		.....49.....
C			
(1.)	9 + 7 + 6 + 3 *from* 150 =		...125.....
(2.)	8 + 1 + 9 + 5 *from* 81 =		.....58.....
(3.)	7 + 6 + 7 + 6 *from* 62 =		.....36.....
(4.)	6 + 8 + 8 + 9 *from* 80 =		.....49.....
(5.)	4 + 9 + 7 + 9 *from* 78 =		.....49.....
(6.)	8 + 7 + 7 + 5 *from* 132 =		..105.....
(7.)	3 + 7 + 6 + 8 *from* 96 =		.....72.....
(8.)	9 + 5 + 8 + 9 *from* 111 =		.....80.....

EXERCISE 3.

A				Answers.	D				Answers.
(1.) 23	×	2	=	.....46....	(1.) 23	×	5	=	....115....
(2.) 32	×	2	=	.....64....	(2.) 32	×	5	=	...160....
(3.) 45	×	2	=	.....90....	(3.) 45	×	5	=	...225....
(4.) 54	×	2	=	...108....	(4.) 54	×	5	=	...270....
(5.) 67	×	2	=	...134....	(5.) 67	×	5	=	...335....
(6.) 76	×	2	=	....152....	(6.) 76	×	5	=	...380....
(7.) 89	×	2	=	....178....	(7.) 89	×	5	=	...445....
(8.) 98	×	2	=	...196....	(8.) 98	×	5	=	...490....
B					E				
(1.) 23	×	3	=	.....69....	(1.) 23	×	6	=	...138....
(2.) 32	×	3	=	.....96....	(2.) 32	×	6	=	...192....
(3.) 45	×	3	=	....135....	(3.) 45	×	6	=	...270....
(4.) 54	×	3	=	...162....	(4.) 54	×	6	=	...324....
(5.) 67	×	3	=	...201....	(5.) 67	×	6	=	...402....
(6.) 76	×	3	=	...228....	(6.) 76	×	6	=	...456....
(7.) 89	×	3	=	...267....	(7.) 89	×	6	=	...534....
(8.) 98	×	3	=	...294....	(8.) 98	×	6	=	...588....
C					F				
(1.) 23	×	4	=	.....92....	(1.) 23	×	7	=	....161....
(2.) 32	×	4	=	....128....	(2.) 32	×	7	=	...224....
(3.) 45	×	4	=	...180....	(3.) 45	×	7	=	...315....
(4.) 54	×	4	=	...216....	(4.) 54	×	7	=	...378....
(5.) 67	×	4	=	...268....	(5.) 67	×	7	=	...469....
(6.) 76	×	4	=	...304....	(6.) 76	×	7	=	...532....
(7.) 89	×	4	=	...356....	(7.) 89	×	7	=	...623....
(8.) 98	×	4	=	...392....	(8.) 98	×	7	=	...686....

EXERCISE 4.

A		Answers.	D		Answers.
(1.)	46 ÷ 2 =	23	(1.)	270 ÷ 5 =	54
(2.)	90 ÷ 2 =	45	(2.)	160 ÷ 5 =	32
(3.)	66 ÷ 2 =	33	(3.)	335 ÷ 5 =	67
(4.)	108 ÷ 2 =	54	(4.)	115 ÷ 5 =	23
(5.)	152 ÷ 2 =	76	(5.)	380 ÷ 5 =	76
(6.)	134 ÷ 2 =	67	(6.)	225 ÷ 5 =	45
(7.)	196 ÷ 2 =	98	(7.)	445 ÷ 5 =	89
(8.)	178 ÷ 2 =	89	(8.)	490 ÷ 5 =	98
B			E		
(1.)	96 ÷ 3 =	32	(1.)	282 ÷ 6 =	47
(2.)	135 ÷ 3 =	45	(2.)	192 ÷ 6 =	32
(3.)	69 ÷ 3 =	23	(3.)	138 ÷ 6 =	23
(4.)	201 ÷ 3 =	67	(4.)	402 ÷ 6 =	67
(5.)	135 ÷ 3 =	45	(5.)	534 ÷ 6 =	89
(6.)	267 ÷ 3 =	89	(6.)	324 ÷ 6 =	54
(7.)	294 ÷ 3 =	98	(7.)	456 ÷ 6 =	76
(8.)	228 ÷ 3 =	76	(8.)	588 ÷ 6 =	98
C			F		
(1.)	92 ÷ 4 =	23	(1.)	315 ÷ 7 =	45
(2.)	224 ÷ 4 =	56	(2.)	161 ÷ 7 =	23
(3.)	356 ÷ 4 =	89	(3.)	686 ÷ 7 =	98
(4.)	128 ÷ 4 =	32	(4.)	224 ÷ 7 =	32
(5.)	180 ÷ 4 =	45	(5.)	623 ÷ 7 =	89
(6.)	392 ÷ 4 =	98	(6.)	378 ÷ 7 =	54
(7.)	268 ÷ 4 =	67	(7.)	532 ÷ 7 =	76
(8.)	356 ÷ 4 =	89	(8.)	469 ÷ 7 =	67

EXERCISE 5.

		Answers. s.	Answers. d.
A			
(1.)	1d. + 2d. + 3d. + 4d. + 8d. =	1	6
(2.)	2d. + 3d. + 4d. + 5d. + 3d. =	1	5
(3.)	3d. + 4d. + 5d. + 6d. + 5d. =	1	11
(4.)	4d. + 5d. + 6d. + 7d. + 2d. =	2	0
(5.)	5d. + 6d. + 7d. + 8d. + 7d. =	2	9
(6.)	6d. + 7d. + 8d. + 9d. + 6d. =	3	0
(7.)	7d. + 8d. + 9d. + 10d. + 1d. =	2	11
(8.)	8d. + 9d. + 10d. + 11d. + 4d. =	3	6
B			
(1.)	1¼d. + 2¼d. + 3¼d. + 4¼d. + 5¼d. =	1	4¼
(2.)	2¼d. + 3¼d. + 4¼d. + 5¼d. + 1¼d. =	1	4¼
(3.)	3¼d. + 4¼d. + 5¼d. + 6¼d. + 7¼d. =	2	2¼
(4.)	4¼d. + 5¼d. + 6¼d. + 7¼d. + 6¼d. =	2	5¼
(5.)	5¼d. + 6¼d. + 7¼d. + 8¼d. + 2¼d. =	2	5¼
(6.)	6¼d. + 7¼d. + 8¼d. + 9¼d. + 8¼d. =	3	3¼
(7.)	7¼d. + 8¼d. + 9¼d. + 10¼d. + 4¼d. =	3	3¼
(8.)	8¼d. + 9¼d. + 10¼d. + 11¼d. + 3¼d. =	3	6¼
C			
(1.)	1½d. + 2½d. + 3½d. + 4½d. + 4½d. =	1	4½
(2.)	2½d. + 3½d. + 4½d. + 5½d. + 1½d. =	1	5½
(3.)	3½d. + 4½d. + 5½d. + 6½d. + 5½d. =	2	1½
(4.)	4½d. + 5½d. + 6½d. + 7½d. + 2½d. =	2	2½
(5.)	5½d. + 6½d. + 7½d. + 8½d. + 6½d. =	2	10½
(6.)	6½d. + 7½d. + 8½d. + 9½d. + 8½d. =	3	4½
(7.)	7½d. + 8½d. + 9½d. + 10½d. + 3½d. =	3	3½
(8.)	8½d. + 9½d. + 10½d. + 11½d. + 7½d. =	3	11½

EXERCISE 6.

		Answers. s.	d.
A			
(1.)	*From* 5s. 0d. *take* 3s. 6d.	1	6
(2.)	*From* 4s. 6d. *take* 3s. 11d.	0	7
(3.)	*From* 7s. 4d. *take* 3s. 9d.	3	7
(4.)	*From* 10s. 5d. *take* 9s. 6d.	0	11
(5.)	*From* 11s. 4d. *take* 3s. 8d.	7	8
(6.)	*From* 14s. 1d. *take* 9s. 7d.	4	6
(7.)	*From* 15s. 3d. *take* 8s. 9d.	6	6
(8.)	*From* 16s. 0d. *take* 10s. 6d.	5	6
B			
(1.)	*From* 14s. 3d. *take* 5s. 6d.	8	9
(2.)	*From* 11s. 3d. *take* 5s. 4d.	5	11
(3.)	*From* 13s. 1d. *take* 6s. 6d.	6	7
(4.)	*From* a sovereign *take* 15s.	5	0
(5.)	*Take* 3s. 4d. *from* a sovereign	16	8
(6.)	*From* a sovereign *take* 8s. 2d.	11	10
(7.)	*Take* 9s. 1d. *from* a sovereign	10	11
(8.)	*From* a sovereign *take* 14s. 7d.	5	5
C			
(1.)	*Take* 6s. 8d. *from* a sovereign	13	4
(2.)	*From* a sovereign *take* 3s. 11½d.	16	0½
(3.)	*Take* 5s. 4¼d. *from* a sovereign	14	7¾
(4.)	*From* a sovereign *take* 17s. 4¾d.	2	7¼
(5.)	*Take* 11s. 8d. *from* a sovereign	8	4
(6.)	*From* a sovereign *take* 16s. 0½d.	3	11½
(7.)	*Take* 10s. 7¼d. *from* a sovereign	9	4¾
(8.)	*From* a sovereign *take* 11s. 10¾d.	8	1¼

EXERCISE 7.

A				Answers.	D				Answers.
(1.)	23	×	8	...184....	(1.)	23	×	11	...253....
(2.)	32	×	8	...256....	(2.)	32	×	11	...352....
(3.)	45	×	8	...360....	(3.)	45	×	11	...495....
(4.)	54	×	8	...432....	(4.)	54	×	11	...594....
(5.)	67	×	8	...536....	(5.)	67	×	11	...737....
(6.)	76	×	8	...608....	(6.)	76	×	11	..836....
(7.)	89	×	8	....712....	(7.)	89	×	11	...979....
(8.)	98	×	8	...784....	(8.)	98	×	11	1078....
					E				
(1.)	23	×	9	...207....	(1.)	23	×	12	...276....
(2.)	32	×	9	...288....	(2.)	32	×	12	...384....
(3.)	45	×	9	...405....	(3.)	45	×	12	...540....
(4.)	54	×	9	...486....	(4.)	54	×	12	...648....
(5.)	67	×	9	...603....	(5.)	67	×	12	...804....
(6.)	76	×	9	...684....	(6.)	76	×	12	... 912....
(7.)	89	×	9	... 801....	(7.)	89	×	12	1068....
(8.)	98	×	9	...882....	(8.)	98	×	12	1176....
C					F				
(1.)	23	×	10	...230....	(1.)	96	×	2	... 192....
(2.)	32	×	10	...320....	(2.)	85	×	3	...255....
(3.)	45	×	10	...450....	(3.)	79	×	4	... 316....
(4.)	54	×	10	...540....	(4.)	36	×	5	...180....
(5.)	67	×	10	...670....	(5.)	47	×	6	...282....
(6.)	76	×	10	...760....	(6.)	63	×	7	... 441....
(7.)	89	×	10	...890....	(7.)	58	×	8	...464....
(8.)	98	×	10	...980....	(8.)	97	×	9	...873....

EXERCISE 8.

A		Answers.	D		Answers.
(1.)	432 ÷ 8 =	54	(1.)	352 ÷ 11 =	32
(2.)	608 ÷ 8 =	76	(2.)	737 ÷ 11 =	67
(3.)	256 ÷ 8 =	32	(3.)	495 ÷ 11 =	45
(4.)	712 ÷ 8 =	89	(4.)	979 ÷ 11 =	89
(5.)	184 ÷ 8 =	23	(5.)	253 ÷ 11 =	23
(6.)	784 ÷ 8 =	98	(6.)	836 ÷ 11 =	76
(7.)	360 ÷ 8 =	45	(7.)	594 ÷ 11 =	54
(8.)	536 ÷ 8 =	67	(8.)	946 ÷ 11 =	86
B			E		
(1.)	288 ÷ 9 =	32	(1.)	276 ÷ 12 =	23
(2.)	603 ÷ 9 =	67	(2.)	360 ÷ 12 =	30
(3.)	207 ÷ 9 =	23	(3.)	624 ÷ 12 =	52
(4.)	684 ÷ 9 =	76	(4.)	876 ÷ 12 =	73
(5.)	405 ÷ 9 =	45	(5.)	984 ÷ 12 =	82
(6.)	801 ÷ 9 =	89	(6.)	420 ÷ 12 =	35
(7.)	882 ÷ 9 =	98	(7.)	804 ÷ 12 =	67
(8.)	486 ÷ 9 =	54	(8.)	840 ÷ 12 =	70
C			F		
(1.)	450 ÷ 10 =	45	(1.)	228 ÷ 6 =	38
(2.)	230 ÷ 10 =	23	(2.)	240 ÷ 8 =	30
(3.)	540 ÷ 10 =	54	(3.)	920 ÷ 10 =	92
(4.)	320 ÷ 10 =	32	(4.)	594 ÷ 9 =	66
(5.)	670 ÷ 10 =	67	(5.)	168 ÷ 4 =	42
(6.)	980 ÷ 10 =	98	(6.)	192 ÷ 8 =	24
(7.)	760 ÷ 10 =	76	(7.)	322 ÷ 7 =	46
(8.)	890 ÷ 10 =	89	(8.)	265 ÷ 5 =	53

EXERCISE 9.

		Answers. s.	Answers. d.
A			
(1.)	$1\frac{3}{4}$d. + $2\frac{3}{4}$d. + $3\frac{3}{4}$d. + $4\frac{3}{4}$d. + $5\frac{3}{4}$d. =	...1..	..$6\frac{3}{4}$
(2.)	$2\frac{3}{4}$d. + $3\frac{3}{4}$d. + $4\frac{3}{4}$d. + $5\frac{3}{4}$d. + $9\frac{3}{4}$d. =	...2..	..$2\frac{3}{4}$
(3.)	$3\frac{3}{4}$d. + $4\frac{3}{4}$d. + $5\frac{3}{4}$d. + $6\frac{3}{4}$d. + $6\frac{3}{4}$d. =	...2..	..$3\frac{3}{4}$
(4.)	$4\frac{3}{4}$d. + $5\frac{3}{4}$d. + $6\frac{3}{4}$d. + $7\frac{3}{4}$d. + $10\frac{3}{4}$d. =	...2..	.$11\frac{3}{4}$
(5.)	$5\frac{3}{4}$d. + $6\frac{3}{4}$d. + $7\frac{3}{4}$d. + $8\frac{3}{4}$d. + $7\frac{3}{4}$d. =	...3..	..$0\frac{3}{4}$
(6.)	$6\frac{3}{4}$d. + $7\frac{3}{4}$d. + $8\frac{3}{4}$d. + $9\frac{3}{4}$d. + $3\frac{3}{4}$d. =	...3..	.$0\frac{3}{4}$
(7.)	$7\frac{3}{4}$d. + $8\frac{3}{4}$d. + $9\frac{3}{4}$d. + $10\frac{3}{4}$d. + $8\frac{3}{4}$d. =	...3..	..$9\frac{3}{4}$
(8.)	$8\frac{3}{4}$d. + $9\frac{3}{4}$d. + $10\frac{3}{4}$d. + $11\frac{3}{4}$d. + $4\frac{3}{4}$d. =	...3..	..$9\frac{3}{4}$
B			
(1.)	1d. + $1\frac{1}{4}$d. + $1\frac{1}{2}$d. + $1\frac{3}{4}$d. + $2\frac{1}{2}$d. =	..0..	..8..
(2.)	2d. + $2\frac{1}{4}$d. + $2\frac{1}{2}$d. + $2\frac{3}{4}$d. + $5\frac{1}{4}$d. =	...1..	..$2\frac{3}{4}$
(3.)	3d. + $3\frac{1}{4}$d. + $3\frac{1}{2}$d. + $3\frac{3}{4}$d. + $8\frac{1}{2}$d. =	...1..	10..
(4.)	4d. + $4\frac{1}{4}$d. + $4\frac{1}{2}$d. + $4\frac{3}{4}$d. + $3\frac{3}{4}$d. =	...1..	..$9\frac{1}{4}$
(5.)	5d. + $5\frac{1}{4}$d. + $5\frac{1}{2}$d. + $5\frac{3}{4}$d. + $6\frac{1}{2}$d. =	...2..	..4..
(6.)	6d. + $6\frac{1}{4}$d. + $6\frac{1}{2}$d. + $6\frac{3}{4}$d. + $9\frac{3}{4}$d. =	...2..	.$11\frac{1}{4}$
(7.)	7d. + $7\frac{1}{4}$d. + $7\frac{1}{2}$d. + $7\frac{3}{4}$d. + $4\frac{1}{4}$d. =	...2..	..$9\frac{3}{4}$
(8.)	8d. + $8\frac{1}{4}$d. + $8\frac{1}{2}$d. + $8\frac{3}{4}$d. + $7\frac{1}{2}$d. =	...3..	...5..
C			
(1.)	4d. + $2\frac{1}{4}$d. + $3\frac{1}{2}$d. + $4\frac{3}{4}$d. + $6\frac{1}{2}$d. =	...1..	..9..
(2.)	$2\frac{1}{4}$d. + $3\frac{1}{4}$d. + $4\frac{1}{2}$d. + $5\frac{3}{4}$d. + $9\frac{1}{4}$d. =	...2..	...1..
(3.)	$3\frac{1}{2}$d. + $4\frac{1}{4}$d. + $5\frac{1}{2}$d. + $6\frac{3}{4}$d. + $3\frac{1}{2}$d. =	...1..	.$11\frac{1}{2}$
(4.)	$1\frac{3}{4}$d. + $5\frac{1}{4}$d. + $6\frac{1}{2}$d. + $7\frac{3}{4}$d. + $7\frac{3}{4}$d. =	...2..	...5..
(5.)	2d. + $6\frac{1}{4}$d. + $7\frac{1}{2}$d. + $8\frac{3}{4}$d. + $10\frac{1}{4}$d. =	...2..	$10\frac{3}{4}$
(6.)	$5\frac{1}{4}$d. + $7\frac{1}{4}$d. + $8\frac{1}{2}$d. + $9\frac{3}{4}$d. + $5\frac{3}{4}$d. =	...3..	..$0\frac{1}{2}$
(7.)	$6\frac{1}{2}$d. + $8\frac{1}{4}$d. + $9\frac{1}{2}$d. + $10\frac{3}{4}$d. + $4\frac{1}{2}$d. =	...3..	...$3\frac{1}{2}$
(8.)	$2\frac{3}{4}$d. + $9\frac{1}{4}$d. + $10\frac{1}{2}$d. + $11\frac{3}{4}$d. + $8\frac{3}{4}$d. =	. .3..	...7..

EXERCISE 10.

A	Answers.
(1.) How many farthings in fourpence?	16
(2.) How many farthings in 6¼d.?	25
(3.) How many pence in 17 farthings?	4¼
(4.) How many pence in 29 farthings?	7¼
(5.) How many pence in 35 farthings?	8¾
(6.) Change tenpence into farthings	40
(7.) Reduce eightpence to halfpence	16
(8.) In 19 halfpence how many pence?	9½d.

B	
(1.) Change 7½d. to halfpence	15
(2.) Change 9¾d. to farthings	39
(3.) In 47 farthings how many pence?	11¾
(4.) How many pence in three shillings	36
(5.) How many halfpence in sixpence?	12
(6.) How many halfpence in a shilling?	24
(7.) Add together ⅓ and ¼ of a shilling	7
(8.) In 4s. 11d. how many pence?	59

C	
(1.) In 3s. 7d. how many pence?	43
(2.) How many shillings in 48 pence?	4
(3.) What is the third part of 1s. 9d.?	7
(4.) Reduce 9s. 11d. to pence	119
(5.) How many 5s. make a pound?	4
(6.) What part of a pound is 10s.?	½
(7.) How many sixpences in 13s. 6d.?	27
(8.) How many sixpences in a pound?	40

EXERCISE 11.

A	Answers. s.	d.
(1.) $6\frac{1}{2}$d. × 2 =	...1..	...1..
(2.) $5\frac{1}{4}$d. × 3 =	...1..	..$3\frac{3}{4}$
(3.) $7\frac{3}{4}$d. × 2 =	...1..	..$3\frac{1}{2}$
(4.) $9\frac{1}{2}$d. × 3 =	..2..	..$4\frac{1}{2}$
(5.) $8\frac{1}{4}$d. × 2 =	...1..	..$4\frac{1}{2}$
(6.) $6\frac{3}{4}$d. × 3 =	...1..	..$8\frac{1}{4}$
(7.) $7\frac{1}{2}$d. × 2 =	...1..	..3..
(8.) $8\frac{3}{4}$d. × 3 =	..2..	..$2\frac{1}{4}$

B		
(1.) $5\frac{1}{4}$d. × 4 =	...1..	..9..
(2.) $7\frac{1}{2}$d. × 5 =	..3..	...$1\frac{1}{2}$
(3.) $9\frac{3}{4}$d. × 4 =	..3..	..3..
(4.) $6\frac{1}{4}$d. × 5 =	..2..	...$7\frac{1}{4}$
(5.) $8\frac{1}{2}$d. × 4 =	..2..	10..
(6.) $5\frac{3}{4}$d. × 5 =	..2..	..$4\frac{3}{4}$
(7.) $6\frac{1}{2}$d. × 4 =	..2..	..2..
(8.) $7\frac{3}{4}$d. × 5 =	..3..	..$2\frac{3}{4}$

C		
(1.) 9d. × 6 =	..4..	..6..
(2.) $7\frac{3}{4}$d. × 7 =	..4..	..$6\frac{1}{4}$
(3.) $6\frac{1}{2}$d. × 6 =	..3..	..3..
(4.) $5\frac{3}{4}$d. × 7 =	..3..	..$4\frac{1}{4}$
(5.) $9\frac{3}{4}$d. × 6 =	..4..	$10\frac{1}{2}$
(6.) $8\frac{1}{2}$d. × 7 =	..4..	$11\frac{1}{2}$
(7.) $7\frac{1}{4}$d. × 6 =	..3..	...$7\frac{1}{2}$
(8.) $5\frac{1}{2}$d. × 7 =	..3..	..$2\frac{1}{2}$

D	Answers. s.	d.
(1.) $5\frac{3}{4}$d. × 8 =	..3..	10..
(2.) $7\frac{1}{2}$d. × 9 =	..5..	...$7\frac{1}{2}$
(3.) $6\frac{1}{4}$d. × 8 =	..4..	..2..
(4.) $8\frac{3}{4}$d. × 9 =	..6..	..$6\frac{3}{4}$
(5.) $9\frac{1}{2}$d. × 8 =	..6..	..4..
(6.) $7\frac{3}{4}$d. × 9 =	.5..	..$9\frac{3}{4}$
(7.) $5\frac{1}{4}$d. × 8 =	..3..	..6..
(8.) $6\frac{1}{2}$d. × 9 =	..4..	$10\frac{1}{2}$

E		
(1.) $7\frac{3}{4}$d. × 10 =	..6..	..$5\frac{1}{2}$
(2.) $6\frac{1}{2}$d. × 10 =	..5..	..5..
(3.) $5\frac{3}{4}$d. × 10 =	..4..	..$9\frac{1}{2}$
(4.) $8\frac{1}{2}$d. × 10 =	...7..	...1..
(5.) $6\frac{1}{4}$d. × 10 =	..5..	..$2\frac{1}{2}$
(6.) $5\frac{1}{4}$d. × 10 =	..4..	..$4\frac{1}{2}$
(7.) $7\frac{1}{2}$d. × 10 =	..6..	..3..
(8.) $9\frac{3}{4}$d. × 10 =	..8..	...$1\frac{1}{2}$

F		
(1.) $8\frac{1}{4}$d. × 3 =	..2..	..$0\frac{3}{4}$
(2.) $5\frac{1}{4}$d. × 5 =	..2..	..$2\frac{1}{4}$
(3.) $6\frac{1}{2}$d. × 7 =	..3..	..$9\frac{1}{2}$
(4.) $5\frac{3}{4}$d. × 9 =	..4..	..$3\frac{3}{4}$
(5.) $7\frac{1}{2}$d. × 4 =	..2..	..6..
(6.) $4\frac{3}{4}$d. × 10 =	..3..	$11\frac{1}{2}$
(7.) $8\frac{1}{2}$d. × 6 =	..4..	..2..
(8.) 10d. × 8 =	..6..	..8..

EXERCISE 12.

		Answers. s.	Answers. d.
A			
(1.)	9d. + 2s. 6d. + 3¼d. + 1s. 8½d. =	...5..	...2¾
(2.)	3d. + 1s. 9d. + 5½d. + 2s. 7½d. =	...5..	...1..
(3.)	8d. + 3s. 5d. + 8¼d. + 5s. 3¼d. =	10..	..0½
(4.)	7d. + 1s. 4d. + 2¾d. + 6s. 1½d. =	..8..	...3¼
(5.)	6d. + 4s. 2d. + 6½d. + 1s. 11¼d. =	...7..	...1¾
(6.)	4d. + 1s. 5d. + 9¼d. + 2s. 9½d. =	...5..	...3¾
(7.)	5d. + 5s. 6d. + 4¾d. + 3s. 6¼d. =	..9..	10..
(8.)	2d. + 3s. 8d. + 7½d. + 2s. 5½d. =	..6..	.11..
B			
(1.)	5d. + 2s. 7d. + 9¼d. + 2s. 6¼d. =	..6..	..3½
(2.)	7d. + 1s. 5d. + 5½d. + 3s. 2½d. =	...5..	..8.
(3.)	9d. + 3s. 3d. + 2¾d. + 1s. 8¾d. =	...5..	.11½
(4.)	3d. + 1s. 10d. + 4¼d. + 4s. 7½d. =	...7..	..0¾
(5.)	6d. + 2s. 8d. + 8½d. + 5s. 4¾d. =	..9..	..3¼
(6.)	4d. + 3s. 5d. + 3¾d. + 3s. 6¼d. =	...7..	...7..
(7.)	2d. + 4s. 6d. + 7¼d. + 2s. 3½d. =	...7..	..6¾
(8.)	8d. + 5s. 9d. + 6½d. + 1s. 9¾d. =	..8..	..9¼
C			
(1.)	7d. + 2s. 8d. + 2¾d. + 5s. 6¼d. =	..9..	..0..
(2.)	2d. + 1s. 6d. + 4½d. + 3s. 7¾d. =	...5..	..8¼
(3.)	5d. + 5s. 5d. + 6¼d. + 4s. 8½d. =	.11..	..0¾
(4.)	8d. + 1s. 5d. + 8¾d. + 1s. 5¼d. =	..4..	..3..
(5.)	3d. + 2s. 3d. + 3½d. + 2s. 9¾d. =	...5..	...7¼
(6.)	6d. + 3s. 9d. + 7¼d. + 5s. 2¼d. =	10..	..0½
(7.)	4d. + 4s. 8d. + 9¾d. + 6s. 6½d. =	12..	...4¼
(8.)	9d. + 5s. 6d. + 5½d. + 3s. 8¾d. =	10..	...5¼

EXERCISE 13.

A	Answers.
(1.) How many **pence** in 15s.?	...180....
(2.) Reduce 54 sixpences to **pence**	...324....
(3.) Reduce 40 sixpences to **shillings**	.....20....
(4.) Reduce £3, 5s. to **shillings**	.....65....
(5.) Reduce £5, 9s. to **shillings**	...109....
(6.) Reduce 140 shillings to **pounds**	.....7....
(7.) Change 240 shillings to **pounds**	.....12....
(8.) Reduce £7, 6s. to **shillings**	...146....

B	
(1.) Reduce 25 crowns to **shillings**	....125....
(2.) Reduce 40 crowns to **sixpences**	...400....
(3.) Reduce 30 crowns to **pence**	1800....
(4.) Reduce 98 crowns to **shillings**	...490....
(5.) Reduce 50 farthings to **halfpence**	.....25....
(6.) Reduce 80 groats to **pence**	...320....
(7.) Reduce 240 groats to **shillings**	.....80....
(8.) Reduce 60 pence to **groats**	.....15....

C	
(1.) Reduce 240 pence to **crowns**	.....4....
(2.) Convert 600 threepences to **crowns**	.....30....
(3.) Change 300 sixpences to **crowns**	.....30....
(4.) Reduce 30 crowns to **shillings**	...150....
(5.) Reduce 160 twopences to **groats**	.....80....
(6.) Reduce 65 shillings to **crowns**	.....13....
(7.) Change 8 guineas to **shillings**	...168....
(8.) Reduce 84 shillings to **guineas**	.....4....

EXERCISE 14.

			Answers. s.	Answers. d.
A				
(1.)	A dozen	pens at one penny	1	0
(2.)	A dozen	apples at ½d.	0	6
(3.)	A dozen	books at fivepence	5	0
(4.)	A dozen	oranges at 1½d.	1	6
(5.)	A dozen	caps at 7½d.	7	6
(6.)	A dozen	plums at a farthing	0	3
(7.)	A dozen	tops at 1½d.	1	6
(8.)	A dozen	papers at twopence	2	0
B				
(1.)	A dozen	buns at 1¾d.	1	9
(2.)	A dozen	tarts at threepence	3	0
(3.)	A dozen	loaves at 4¾d.	4	9
(4.)	A dozen	cups at fivepence	5	0
(5.)	A dozen	plates at 6½d.	6	3
(6.)	A dozen	jars at 2¾d.	2	9
(7.)	A dozen	spoons at fourpence	4	0
(8.)	A dozen	knives at 3¾d.	3	9
C				
(1.)	2 dozen	inches at twopence	4	0
(2.)	3 dozen	feet at 3½d.	10	6
(3.)	4 dozen	yards at a farthing	1	0
(4.)	5 dozen	ounces at 2¼d.	11	3
(5.)	6 dozen	pounds at threepence	18	0
(6.)	2 dozen	pints at 3¼d.	6	6
(7.)	1½ dozen	bags at fivepence	7	6
(8.)	3 dozen	gallons at 6½d.	19	6

EXERCISE 15.

A	Answers.
(1.) 16 + 19 + 5 + 17 + 8 + 23	88
(2.) Take 235 from 350	115
(3.) Multiply 17 by 16	272
(4.) Divide 576 by 8	72
(5.) How many farthings in 2s. 9d.?	132
(6.) Reduce £5, 5s. 6d. to sixpences	211
(7.) 3 dozen books at 4½d. each	13s. 6d.
(8.) Take 1s. 7½d. from a guinea	19s. 4½d.

B	
(1.) 32 + 15 + 16 + 9 + 17 + 6	95
(2.) From 1000 take 576	424
(3.) Multiply 18 by 15	270
(4.) Divide 504 by 9	56
(5.) How many pence in 65 farthings?	1s. 4¼d.
(6.) Reduce a guinea to pence	252
(7.) Take 1½d. from a crown	4s. 10½d.
(8.) 5 lbs. of tea at 2s. 7½d. per lb.	13s. 1½d.

C	
(1.) 10 + 5 + 17 + 3 + 26 + 9	70
(2.) From 840 take 408	432
(3.) Multiply 19 by 20	380
(4.) Divide 574 by 7	82
(5.) How many shillings in £7, 15s.?	155
(6.) How many half-crowns in £10?	80
(7.) 6 dozen apples at ¾d. each	4s. 6d.
(8.) Take 5s. 9d. from 9s. 5d.	3s. 8d.

EXERCISE 16.

A	Answers.
(1.) 19 + 17 + 6 + 20 + 5 + 13	80
(2.) Take 7 × 5 from 5 × 7	0
(3.) Multiply 78 by 18	1404
(4.) Divide 600 by 4	150
(5.) Reduce 3 half-crowns to pence	90
(6.) Take 1s. 4½d. from £1, 1s. 1½d.	19s. 9d.
(7.) 7¼d. + 7s. + 5s. 4½d. + 3s. 6d.	16s. 5¾d.
(8.) How many sixpences in £7, 15s.	310

B	
(1.) Multiply 15 by 12	180
(2.) Divide 1000 by 25	40
(3.) 7 + 19 + 18 + 6 + 23 + 8	81
(4.) Take 50 from 505	455
(5.) How many inches in 5 yards?	180
(6.) 3 dozen oranges at ½d. each	1s. 6d.
(7.) How many 3d. in half-a-crown?	10
(8.) 8s. + 5s. 6d. + 8½d. + 7¾d.	14s. 10¼d.

C	
(1.) 16 + 15 + 14 + 13 + 12 + 11	81
(2.) Take 5 × 9 from 9 × 10	45
(3.) Divide 60 by 15	4
(4.) Multiply 15 by 15	225
(5.) Reduce 1s. 8¼d. to farthings	81
(6.) In 720 pence how many shillings?	60
(7.) 4 dozen balls at 2½d. each	10s. 0d.
(8.) How many minutes in 3 hours?	180

EXERCISE 1.

A													Answers.
(1.)	37	+	16	+	5	+	18	+	9	+	32	=	.....117...
(2.)	52	+	15	+	4	+	17	+	7	+	35	=	.....130...
(3.)	35	+	19	+	7	+	14	+	3	+	37	=	.....115...
(4.)	27	+	17	+	9	+	19	+	4	+	36	=	.....112...
(5.)	42	+	12	+	3	+	13	+	2	+	33	=	.....105...
(6.)	39	+	13	+	6	+	16	+	8	+	39	=	.....121...
(7.)	26	+	18	+	8	+	12	+	6	+	38	=	.....108...
(8.)	28	+	13	+	2	+	15	+	5	+	34	=	.....97...

B													
(1.)	27	+	5	+	12	+	25	+	2	+	23	=	.....94...
(2.)	35	+	8	+	15	+	27	+	6	+	33	=	....124...
(3.)	42	+	2	+	17	+	24	+	4	+	43	=	....132...
(4.)	56	+	6	+	13	+	29	+	7	+	32	=	.....143...
(5.)	38	+	9	+	19	+	23	+	3	+	34	=	....126...
(6.)	62	+	4	+	18	+	26	+	8	+	42	=	.....160...
(7.)	71	+	3	+	14	+	28	+	9	+	24	=	.....149...
(8.)	56	+	7	+	16	+	22	+	5	+	35	=	.....141...

C													
(1.)	38	+	2	+	13	+	30	+	9	+	23	=	.....115...
(2.)	45	+	6	+	19	+	33	+	4	+	26	=	.....133...
(3.)	62	+	8	+	16	+	35	+	6	+	21	=	.....148...
(4.)	37	+	3	+	18	+	32	+	3	+	24	=	.....117...
(5.)	56	+	7	+	12	+	37	+	8	+	20	=	.....140...
(6.)	29	+	5	+	15	+	36	+	7	+	27	=	.....119...
(7.)	37	+	9	+	17	+	34	+	5	+	25	=	.....127...
(8.)	41	+	4	+	14	+	31	+	2	+	22	=	.....114...

EXERCISE 2.

A	Answers.
(1.) *Take* fifty *from* five hundred	....450...
(2.) *From* 1500 *take* 5 × 25	..1375...
(3.) *Take* 175 *from* one thousand	....825...
(4.) *From* 800 *take* 99	....701...
(5.) *Take* thirty-three *from* 3030	.2997...
(6.) *From* 7 × 7 *take* 5 × 5	.....24...
(7.) *Take* 18 + 19 *from* 27 + 18	.....8...
(8.) *From* 1121 *take* 210	....911...

B	
(1.) *Take* 17 × 5 *from* 15 × 7	.....20...
(2.) *From* 170 *take* 71	.....99...
(3.) *Take* 50 + 15 *from* 60 + 12	.....7...
(4.) *From* one hundred *take* 11	.....89...
(5.) *Take* 13 × 3 *from* 17 × 4	.....29...
(6.) *From* fourteen hundred *take* 14	..1386...
(7.) *Take* 7 × 9 *from* 9 × 9	.....18...
(8.) *From* 19 + 19 *take* 18 + 18	.....2...

C	
(1.) *Take* seventy-five *from* 705	....630...
(2.) *From* 8010 *take* 108	.7902...
(3.) *Take* 15 × 7 *from* 17 × 9	.....48...
(4.) *From* two hundred and six *take* 27	.....179...
(5.) *Take* 315 *from* 513	.....198...
(6.) *From* 4 × 52 *take* 3 × 26	.....130...
(7.) *Take* 17 + 6 *from* 25 + 17	.....19...
(8.) *From* seventeen hundred *take* 17	..1683...

EXERCISE 3.

A				Answers.
(1.)	12	×	14 =	....168...
(2.)	19	×	14 =	....266...
(3.)	14	×	14 =	....196...
(4.)	18	×	14 =	....252...
(5.)	13	×	14 =	....182...
(6.)	17	×	14 =	....238...
(7.)	16	×	14 =	....224...
(8.)	15	×	14 =	....210...

B				
(1.)	13	×	15 =	....195...
(2.)	17	×	15 =	....255...
(3.)	12	×	15 =	....180...
(4.)	18	×	15 =	....270...
(5.)	16	×	15 =	....240...
(6.)	14	×	15 =	....210...
(7.)	19	×	15 =	....285...
(8.)	15	×	15 =	....225...

C				
(1.)	16	×	16 =	....256...
(2.)	12	×	16 =	....192...
(3.)	15	×	16 =	....240...
(4.)	18	×	16 =	....288...
(5.)	13	×	16 =	....208...
(6.)	17	×	16 =	....272...
(7.)	19	×	16 =	....304...
(8.)	14	×	16 =	....224...

D				Answers.
(1.)	18	×	18 =	....324...
(2.)	14	×	18 =	....252...
(3.)	19	×	18 =	....342...
(4.)	17	×	18 =	....306...
(5.)	13	×	18 =	....234...
(6.)	16	×	18 =	....288...
(7.)	12	×	18 =	....216...
(8.)	15	×	18 =	....270...

E				
(1.)	15	×	21 =	....315...
(2.)	12	×	21 =	....252...
(3.)	17	×	21 =	....357...
(4.)	19	×	21 =	....399...
(5.)	14	×	21 =	....294...
(6.)	16	×	21 =	....336...
(7.)	18	×	21 =	....378...
(8.)	13	×	21 =	....273...

F				
(1.)	16	×	24 =	....384...
(2.)	15	×	24 =	....360...
(3.)	12	×	24 =	....288...
(4.)	17	×	24 =	....408...
(5.)	13	×	24 =	....312...
(6.)	19	×	24 =	....456...
(7.)	18	×	24 =	....432...
(8.)	14	×	24 =	....336...

EXERCISE 4.

A	Answers.	D	Answers.
(1.) 210 ÷ 14 =	.....15...	(1.) 255 ÷ 15 =	.....17...
(2.) 300 ÷ 15 =	..... 20...	(2.) 324 ÷ 18 =	.....18...
(3.) 272 ÷ 16 =	.....17...	(3.) 228 ÷ 12 =	.....19...
(4.) 255 ÷ 17 =	.....15...	(4.) 306 ÷ 17 =	.....18...
(5.) 342 ÷ 18 =	.....19...	(5.) 208 ÷ 13 =	.....16...
(6.) 380 ÷ 19 =	..... 20...	(6.) 285 ÷ 19 =	.....15...
(7.) 195 ÷ 13 =	.....15...	(7.) 252 ÷ 14 =	.....18...
(8.) 204 ÷ 12 =	.....17...	(8.) 320 ÷ 16 =	..... 20...
B		**E**	
(1.) 192 ÷ 12 =	.....16...	(1.) 304 ÷ 19 =	.....16...
(2.) 285 ÷ 15 =	.....19...	(2.) 266 ÷ 14 =	.....19...
(3.) 270 ÷ 18 =	.....15...	(3.) 306 ÷ 18 =	.....17...
(4.) 234 ÷ 18 =	.....13...	(4.) 216 ÷ 12 =	.....18...
(5.) 256 ÷ 16 =	.....16...	(5.) 304 ÷ 16 =	.....19...
(6.) 361 ÷ 19 =	.....19...	(6.) 221 ÷ 13 =	.....17...
(7.) 224 ÷ 14 =	.....16...	(7.) 340 ÷ 17 =	..... 20...
(8.) 289 ÷ 17 =	.....17...	(8.) 240 ÷ 15 =	.....16...
C		**F**	
(1.) 247 ÷ 13 =	.....19...	(1.) 240 ÷ 12 =	..... 20...
(2.) 180 ÷ 12 =	.....15...	(2.) 288 ÷ 18 =	.....16...
(3.) 360 ÷ 18 =	..... 20...	(3.) 323 ÷ 17 =	.....19...
(4.) 238 ÷ 14 =	.....17...	(4.) 260 ÷ 13 =	..... 20...
(5.) 272 ÷ 17 =	.....16...	(5.) 225 ÷ 15 =	.....15...
(6.) 270 ÷ 15 =	.....18...	(6.) 323 ÷ 19 =	.....17...
(7.) 323 ÷ 19 =	.....17...	(7.) 288 ÷ 16 =	.....18...
(8.) 240 ÷ 16 =	.....15...	(8.) 280 ÷ 14 =	..... 20...

EXERCISE 5.

					Answers. £	s.	d.
A							
(1.)	9½d. +	2s. 6¼d. +	5¼d. +	5s. 8d. =	...0	...9	..5..
(2.)	8¼d. +	6s. 7⅜d. +	7⅜d. +	8s. 3d. =	...0	.16	.2⅜
(3.)	7⅜d. +	4s. 5¼d. +	9½d. +	4s. 2d. =	...0	.10	..0¼
(4.)	6½d. +	8s. 1½d. +	11⅜d. +	9s. 6d. =	...0	.19	..1⅜
(5.)	10¼d. +	3s. 7½d. +	6½d. +	6s. 7d. =	...0	..11	..7¼
(6.)	8⅜d. +	10s. 2½d. +	4½d. +	11s. 5d. =	1	...2	..8⅜
(7.)	11½d. +	9s. 3⅜d. +	10¼d. +	10s. 4d. =	1	1	..5½
(8.)	5¼d. +	5s. 8½d. +	8½d. +	7s. 9d. =	...0	.14	..7¼
B							
(1.)	4½d. +	6s. 2¼d. +	5½d. +	9s. 4d. =	...0	.16	.4¼
(2.)	10¼d. +	8s. 9½d. +	6⅜d. +	5s. 6d. =	...0	.15	..8½
(3.)	8⅜d. +	10s. 6⅜d. +	2½d. +	8s. 3d. =	...0	.19	.9..
(4.)	5½d. +	5s. 4¼d. +	9¼d. +	7s. 9d. =	...0	.14	..4..
(5.)	9¼d. +	12s. 4½d. +	3⅜d. +	8s. 5d. =	1	1	10½
(6.)	7⅜d. +	9s. 9½d. +	11½d. +	9s. 3d. =	1	...0	..7⅜
(7.)	11¼d. +	7s. 3⅜d. +	4¼d. +	5s. 8d. =	...0	.14	..3¼
(8.)	6⅜d. +	11s. 11d. +	10⅜d. +	7s. 4d. =	1	...0	..8½
C							
(1.)	5½d. +	6s. 0d. +	11¼d. +	13s. 4d. =	1	...0	.8⅜
(2.)	10⅜d. +	6s. 8d. +	7½d. +	12s. 6d. =	1	...0	..8¼
(3.)	4½d. +	7s. 6d. +	8⅜d. +	8s. 9d. =	...0	.17	..4¼
(4.)	8¼d. +	9s. 11d. +	6½d. +	15s. 7d. =	1	...6	..8⅜
(5.)	9⅜d. +	4s. 7d. +	9⅜d. +	13s. 6d. =	...0	.19	..8½
(6.)	7½d. +	5s. 4d. +	4½d. +	14s. 5d. =	1	...0	..9..
(7.)	6¼d. +	10s. 3d. +	8¼d. +	16s. 10d. =	1	...8	..3½
(8.)	11⅜d. +	8s. 2d. +	9⅜d. +	17s. 3d. =	1	...7	.2½

EXERCISE 6.

		Answers. £	s.	d.
A				
(1.)	*Take* 15s. 6d. *from* £50	.49	...4	..6..
(2.)	*From* £5 *take* 5½d	...4	.19	..6½
(3.)	*Take* 17s. 6d. *from* £1	...0	...2	..6..
(4.)	*From* a guinea *take* 1s. 1½d	...0	.19	10½
(5.)	*Take* 5s. 7½d. *from* £2, 10s. 0d	...2	...4	..4½
(6.)	*From* £100 *take* 50 pence	.99	.15	10..
(7.)	*Take* 5 farthings *from* £3	...2	.19	10¾
(8.)	*From* £50 *take* 5d	.49	.19	..7..
B				
(1.)	*Take* 7½d. *from* 17 crowns	...4	...4	..4½
(2.)	*From* £4 *take* 4 pence	...3	.19	..8..
(3.)	*Take* 13s. 4d. *from* £1	...0	...6	..8..
(4.)	*From* £15, 15s. *take* 96 shillings	.10	.19	..0..
(5.)	*Take* 16s. 8d. *from* £1	...0	...3	..4..
(6.)	*From* £10 *take* 10s. 10½d	...9	...9	..1½
(7.)	*Take* 12s. 10½d. *from* £1	...0	...7	..1½
(8.)	*From* £10 *take* 6½d	...9	.19	..5½
C				
(1.)	*Take* 13s. 2½d. *from* £1	...0	...6	..9¾
(2.)	*From* £80 *take* 8d	.79	.19	..4..
(3.)	*Take* 19s. 11½d. *from* £1	...0	...0	..0½
(4.)	*From* £30 *take* 30 pence	.29	.17	..6..
(5.)	*Take* 2s. 1½d. *from* £1	...0	.17	10½
(6.)	*From* £45 *take* 8½d	.44	.19	..3½
(7.)	*Take* 8s. 5¼d. *from* £1	...0	..11	..6¾
(8.)	*From* £100 *take* 19s. 2½d	.99	...0	..9½

EXERCISE 7.

A	Answers. £	s.	d.
(1.) 13 lbs. of sugar at 4¾d. per lb.	...0	...5	..1¾
(2.) Sixteen birds at 2s. 9d. each	...2	...4	..0..
(3.) 50 fowls at 2s. 5d. per couple	...3	...0	..5..
(4.) 30 loaves at 7½d. each	...0	.18	..9..
(5.) 5 dozen pencils at 3½d. each	...0	.16	..3..
(6.) 18 squares of glass at 2s. 6d. per square..	...2	...5	..0..
(7.) 17 sheep at 15s. each	.12	.15	..0..
(8.) Eighteen lambs at 5s. 6d. each	...4	.19	..0..
B			
(1.) 19 pair of trousers at 18s. per pair	.17	...2	..0..
(2.) 15 glasses at 15d. each	...0	.18	..9..
(3.) Thirteen tumblers at 11d. each	...0	..11	11..
(4.) 14 toys at eightpence each	...0	...9	..4..
(5.) Sixteen lbs. of butter at 1s. 4d. per lb.	1	1	..4..
(6.) 18 lbs. of coffee at 1s. 6d. per lb.	1	...7	..0..
(7.) 19 lbs. of tea at 2s. 11d. per lb.	...2	.15	..5..
(8.) 16 blacking-brushes at 11½d. each	...0	.15	..4..
C			
(1.) 19 clothes-brushes at 4d. each	...0	...6	..4..
(2.) 3 dozen lemons at 4½d. each	...0	.13	..6..
(3.) 9 pair of scissors at 1s. 9½d. per pair.	...0	.16	..1½
(4.) 7 pair of gloves at 5s. 6d. per pair.	1	.18	..6..
(5.) 6 pitchers at 1s. 8d. each	...0	.10	..0..
(6.) 10 boys' suits of clothes at 45s. per suit..	.22	.10	..0..
(7.) 8 black silk hats at 15s. each	...6	...0	..0..
(8.) 9 mahogany chairs at 10s. 6d. each	...4	.14	..6..

EXERCISE 8.

A	Answers. £	s.	d.
(1.) Divide 5s. 6d. by **two**	...0	...2	..9..
(2.) Divide 4s. 8d. between **two** persons	...0	...2	..4..
(3.) Divide £4, 10s. 6d. by **three**	1	.10	.2..
(4.) Divide 7s. 4½d. among **three** men	...0	...2	..5½
(5.) Divide £5, 8s. 3d. by **four**	1	...7	..0¾
(6.) Divide 7s. 10d. among **four** persons	...0	1	11½
(7.) Divide £6, 3s. 6½d. by **five**	1	...4	..8½
(8.) Divide 4s. 2d. among **five** women	...0	...0	10..

B			
(1.) Divide 6s. 4½d. by **six**	...0	1	..0¾
(2.) Divide £8 among **six** persons	1	...6	..8..
(3.) Divide 3s. 6d. by **seven**	...0	...0	..6..
(4.) Divide £7, 4s. 1d. among **seven** boys	1	...0	..7..
(5.) Divide 7s. by **eight**	...0	...0	10½
(6.) Divide £9, 9s. among **eight** girls	1	...3	..7½
(7.) Divide 7s. 1½d. by **nine**	...0	...0	..9½
(8.) Divide 12s. 9d. among **nine** men	...0	1	..5..

C			
(1.) Divide £5 by **three**	1	.13	..4..
(2.) Divide £1, 5s. 6d. by **four**	...0	...6	..4½
(3.) Divide £12, 10s. among **five** girls	...2	.10	..0..
(4.) Divide 14s. 3d. by **nine**	...0	1	..7..
(5.) Divide £9, 8s. 4d. among **five** boys	1	.17	..8..
(3.) Divide £1, 7s. 10d. by **four**	...0	...6	11½
(7.) Divide £7, 17s. 6d. among **seven** men	1	...2	..6..
(8.) Divide £1, 1s. by **eight**	...0	...2	..7½

EXERCISE 9.

A	Answers. £	s.	d.
(1.) In 512 shillings how many pounds?	.25	.12	...0
(2.) Reduce 186 pence to shillings	...0	.15	...6
(3.) Change 1000 farthings to pounds	1	...0	.10
(4.) In 100 sixpences how many pounds?	...2	.10	...0
(5.) Reduce 50 half-crowns to pounds	...6	...5	...0
(6.) Change 11½ guineas to pounds	.12	1	...6
(7.) In 170 pence how many shillings?	...0	.14	...2
(8.) In 580 farthings how many shillings?	...0	.12	1
B			
(1.) Reduce 180 threepences to pounds	...2	...5	...0
(2.) Change 75 florins to pounds	...7	.10	...0
(3.) In 235 pence how many shillings?	...0	.19	...7
(4.) Bring 1600 farthings to pounds	1	.13	...4
(5.) Reduce 24 ninepences to shillings	...0	.18	...0
(6.) In 100 half-crowns how many pounds?	.12	.10	...0
(7.) Change 50 groats to shillings	...0	.16	...8
(8.) Reduce 800 twopences to pounds	...6	.13	...4
C			
(1.) Bring 75 crowns to pounds	.18	.15	...0
(2.) In 80 eightpences how many pounds?	...2	.13	...4
(3.) Reduce 750 farthings to shillings	...0	.15	..7½
(4.) Change 90 threepences to pounds	1	...2	...6
(5.) In 500 fivepences how many pounds?	.10	...8	...4
(6.) Reduce 30 sevenpences to shillings	...0	.17	...6
(7.) Bring 1180 farthings to pounds	1	...4	...7
(8.) Change 35 guineas to pounds	.36	.15	...0

EXERCISE 10.

A	Answers.
(1.) Reduce £56 to shillings	1120
(2.) Reduce £1, 4s. 6d. to pence	294
(3.) Reduce 15s. 6d. to farthings	744
(4.) Reduce £25 to sixpences	1000
(5.) Reduce 18s. 10d. to twopences	113
(6.) Reduce £1, 7s. 6d. to threepences	110
(7.) Reduce £5 to fourpences	300
(8.) Reduce £7, 15s. 6d. to sixpences	311

B	
(1.) Reduce a guinea to farthings	1008
(2.) Reduce 5 guineas to pence	1260
(3.) Reduce 3 guineas to sixpences	126
(4.) Reduce 8 guineas to florins	84
(5.) Reduce 4 guineas to fourpences	252
(6.) Reduce 7 guineas to threepences	588
(7.) Reduce 2 guineas to halfpence	1008
(8.) Reduce 20 guineas to pounds	21

C	
(1.) Reduce £6 to half-crowns	48
(2.) Reduce £15 to crowns	75
(3.) Reduce 17s. 2d. to pence	206
(4.) Reduce 15s. 6½d. to halfpence	373
(5.) Reduce £2, 9s. 6d. to sixpences	99
(6.) Reduce £17, 10s. to florins	175
(7.) Reduce £1, 5s. 4¼d. to farthings	1217
(8.) Reduce £10, 10s. to twopences	1260

EXERCISE 11.

A	Answers.
(1.) How many **hours** in 7 days?	....168...
(2.) Reduce 15 minutes to **seconds**	....900...
(3.) How many **days** in July?	.....31...
(4.) Reduce 2½ hours to **minutes**	.....135...
(5.) How many **hours** in September?	....720...
(6.) Reduce 2 weeks to **hours**	....336...
(7.) In a **year** how many **weeks**?	..... 52...
(8.) Change 4320 minutes to **days**	..... 3...

B	
(1.) In 48 oz. how many **lbs.**?	..... 3...
(2.) In 9 lbs. how many **oz.**?	....144...
(3.) Reduce 7 cwt. to **stones**	.....56...
(4.) How many **stones** in a **ton**?	.....160...
(5.) How many **quarters** in **half a ton**?	.....40...
(6.) Reduce a **half cwt.** to **lbs**	.....56...
(7.) Reduce 1 cwt. 1 qr. 1 lb. to **lbs**	.....141...
(8.) Reduce 3 qrs. 14 lbs. 8 oz. to **oz**	..1576...

C	
(1.) How many **inches** in 5½ yards?	....198...
(2.) Reduce 360 inches to **feet**	.....30...
(3.) In 1 furlong how many **feet**?	....660...
(4.) In 1½ pole how many **inches**?	....297...
(5.) Change 560 furlongs to **miles**	.....70...
(6.) Reduce 50 yards to **inches**	..1800...
(7.) Reduce **half a mile** to **feet**	.2640...
(8.) In 396 inches how many **poles**?	..... 2...

EXERCISE 12.

A	Answers.
(1.) Reduce $6\frac{1}{2}$ square feet to inches	....936...
(2.) How many square feet in 1728 sq. inches?	.....12...
(3.) How many square poles in $1\frac{1}{2}$ acre?	....240...
(4.) How many acres in a $\frac{1}{4}$ of a square mile?	.....160...
(5.) How many roods in 840 square poles?	.....21...
(6.) In 810 square feet how many square yards?	.....90...
(7.) In half an acre how many square poles?	.....80...
(8.) How many square inches in half a sq. yard?	....648...

B	
(1.) How many gills in $5\frac{1}{2}$ gallons?	.... 176...
(2.) How many gallons in a quarter?	.....64...
(3.) How many quarts in a bushel?	..... 32...
(4.) In 896 gallons how many quarters?	.....14...
(5.) In 896 gills how many gallons?	.....28...
(6.) How many quarts in a quarter?	....256...
(7.) How many pints in a bushel?	.....64...
(8.) How many gallons in $3\frac{1}{2}$ pecks?	..... 7...

C	
(1.) How many hours in June?	....720...
(2.) How many days in leap year?	....366...
(3.) How many stones in $5\frac{1}{2}$ cwt.?	.....44...
(4.) How many furlongs in a league?	.....24...
(5.) How many yards in $1\frac{1}{2}$ furlong?	....330...
(6.) How many gallons in $1\frac{1}{2}$ bushel?	.....12...
(7.) How many sq. inches in a $\frac{1}{4}$ of a square yard?	....324...
(8.) How many cubic feet in 5 cubic yards?	.....135...

EXERCISE 13.

	Answers. £	s.	d.
A			
(1.) A guinea + a crown + £2, 10s. 6d.	...3	.15	..6..
(2.) 5s. + 10s. + 15s. + £1, 15s. 5d.....	...2	...5	..5..
(3.) £3, 15s. 6d. + 18s. 2½d. + £2, 7s. 6d.	...7	1	.2½
(4.) 15 farthings + 15 pence + 15 shillings...	...0	.16	..6¾
(5.) 3s. 4d. + 6s. 8d. + 10s. + 13s. 4d. + 16s. 8d.	...2	.10	..0..
(6.) 3 half-crowns and 50 sixpences.....	1	.12	..6..
(7.) 2s. 6d. + 5s. + 7s. 6d. + 10s. + 12s. 6d.	1	.17	..6..
(8.) 50 threepences and 40 fourpences.....	1	...5	10..
B			
(1.) £2, 13s. 5d. + 17s. 8d. + £1, 5s. 6½d.	...4	.16	..7½
(2.) 5 guineas + 50 shillings + 50 pence.....	...7	.19	.2..
(3.) 8½d. + 3s. 6½d. + 16s. 2¾d. + £2, 5s. 8½d.	...3	...6	.2..
(4.) 25 farthings + 25 halfpence + 25 pence...	...0	...3	..7¾
(5.) £4, 14s. 4d. + 10s. 6½d. + £7, 13s. 3½d.	.12	.18	..1¾
(6.) 1s. 6d. + 2s. 6d. + 3s. 6d. + 4s. 6d. + 5s. 6d.	...0	.17	..6..
(7.) 45 twopences and 50 pence.....	...0	..11	..8..
(8.) 100 farthings and 100 halfpence.....	...0	...6	..3..
C			
(1.) 1s. 8d. + 3s. 8d. + 5s. 8d. + 7s. 8d. + 9s. 8d.	1	...8	..4..
(2.) A guinea and a half and 10s. 6d.....	...2	...2	..0..
(3.) 15 half-sovereigns and 15 half-crowns.....	...9	...7	..6..
(4.) £5, 12s. 4d. + 13s. 2½d. + £8, 11s. 6¼d.	.14	.17	..0¾
(5.) 7 crowns, 7 half-crowns, and 7d.....	...2	.13	..1..
(6.) How many pounds in 225 eightpences?	...7	.10	..0..
(7.) 70 farthings + 70 pence + 70 shillings.....	...3	.17	..3½
(8.) £6, 3s. 6d. + 19s. 4d. + £5, 14s. 9d.....	.12	.17	..7..

EXERCISE 14.

A	Answers. £	s.	d.
(1.) A **dozen** lbs. of lump sugar at 5¾d.	...0	...5	...9
(2.) A **dozen** reading books at 6½d.	...0	...6	...6
(3.) A **dozen** framed slates at 7¾d.	...0	...7	...9
(4.) A **dozen** lbs. of Cheshire cheese at 10¾d.	...0	.10	...9
(5.) A **dozen** straw hats at 1s. 1¼d.	...0	.13	...3
(6.) A **dozen** lbs. of Belfast ham at 1s. 2½d.	...0	.14	...6
(7.) A **dozen** pinafores at 1s. 3¼d.	...0	.15	...3
(8.) A **dozen** lbs. of fresh butter at 1s. 4¾d.	...0	.16	...9
B			
(1.) **3 dozen** story books at 4½d.	...0	.13	...6
(2.) **4 dozen** copy books at 2¼d.	...0	...9	...0
(3.) **5 dozen** lbs. of soft sugar at 3¾d.	...0	.18	...9
(4.) **6 dozen** cricket caps at 8d.	...2	...8	...0
(5.) **7 dozen** lbs. of best raisins at 7¼d.	...2	.10	...9
(6.) **8 dozen** yards of carpet at 5½d.	...2	...4	...0
(7.) **9 dozen** yards of blue ribbon at 6¾d.	...3	...0	...9
(8.) **10 dozen** pair of socks at 7½d.	...3	.15	...0
C			
(1.) **20** articles at **threepence halfpenny**	...0	...5	.10
(2.) **20** articles at 1s. 4¼d.	1	...7	1
(3.) **20** articles at **ninepence farthing**	...0	.15	...5
(4.) **20** articles at 1s. 7½d.	1	.12	...6
(5.) **20** articles at 4¾d.	...0	...7	..11
(6.) **20** articles at 2s. 8½d.	...2	.14	...2
(7.) **20** articles at **sixpence farthing**	...0	.10	...5
(8.) **20** articles at 3s. 2¾d.	...3	...4	...7

4

EXERCISE 15.

A	Answers.
(1.) 8 × 5 + 8 ÷ 12 × 9 − 1 × 2 ÷ 7	.....10.....
(2.) Reduce 5s. 8½d. to farthings	..273.....
(3.) Take 70 farthings from 70 pence	..4s. 4½d.
(4.) How many days in January, May, and June?...	.....92.....
(5.) 17 × 2 + 5 ÷ 13 × 7 + 4 × 2 ÷ 5	.....10.....
(6.) A week's wages at 3s. 6d. per day.....	..£1, 1s...
(7.) How many ounces in a quarter?.....	..448.....
(8.) Reduce 2 guineas to sixpences.....	.....84.....

B	
(1.) 1½ lb. of tea at 3½d. per oz.....	..7s. 0d..
(2.) Multiply eighteen by eighteen	..324.....
(3.) Take 15 inches from 3½ yards	3 yd. 3 in.
(4.) 5 dozen pencils at three farthings each	..3s. 9d..
(5.) 15 × 4 + 4 ÷ 8 × 7 − 2 ÷ 9.....	.....6.....
(6.) How many seconds in a quarter of an hour?	..900.....
(7.) 100 eggs at 2 for 1½d.....	..6s. 3d..
(8.) Reduce 84 half-crowns to pounds.....	£10, 10s...

C	
(1.) 13 × 3 + 3 × 2 ÷ 7 × 12 − 4 ÷ 7	.....20.....
(2.) Half a yard of carpet at 1¾d. an inch	..2s. 7½d.
(3.) Reduce £1, 5s. 4½d. to farthings	.1218.....
(4.) 15 dozen apples at a farthing each	..3s. 9d..
(5.) 11 × 9 − 3 ÷ 8 × 7 + 4 ÷ 11 × 5.....	.....40.....
(6.) Multiply 25 by twenty-five	..625.....
(7.) 3½ lbs. of butter at 1s. 6d. per lb.....	..5s. 3d..
(8.) One pole at 5s. 6d. per yard.....	£1, 10s. 3d.

EXERCISE 16.

A	Answers.
(1.) 25 × 4 − 1 ÷ 9 × 5 − 1 ÷ 9	6
(2.) Reduce £12, 15s. to half-crowns	102
(3.) How many inches in a pole?	198
(4.) 15 lbs. of sugar at 4½d. per lb	5s. 3¾d.
(5.) 72 ÷ 8 × 9 + 3 ÷ 12 × 7 − 1 ÷ 8	6
(6.) How many times 6s. 8d. in £20?	60
(7.) 1¾ dozen glasses at 2½d. each	4s. 4½d.
(8.) Multiply 35 by 16	560

B	
(1.) 10 × 10 − 1 ÷ 9 × 6 − 2 ÷ 8 × 5	40
(2.) Reduce £5 to threepences	400
(3.) How many yards in a quarter of a mile?	440
(4.) 3 dozen caps at 5½d. each	15s. 9d.
(5.) 13 × 5 − 1 ÷ 8 × 7 − 4 × 2 ÷ 4	21
(6.) How many times 3s. 4d. in £15?	90
(7.) 7¼ yards of ribbon at 10d	6s. 0½d.
(8.) Divide 432 by 18	24

C	
(1.) 16 × 5 + 4 ÷ 12 × 9 + 1 ÷ 8	8
(2.) Reduce 3 guineas to pence	756
(3.) 50 pens at a ½d. each	1s. 0½d.
(4.) 7 dozen apples at a ½d. each	3s. 6d.
(5.) 15 × 5 − 3 ÷ 9 × 6 + 1 ÷ 7	7
(6.) How many minutes in 2¼ hours?	135
(7.) Divide 1000 by 25	40
(8.) A week's wages at 1s. 9d. per day	10s. 6d.

EXERCISE 1.

A	Answers.
(1.) 7 + 17 + 71 + 27 + 72 + 9 + 19 + 25	...247....
(2.) Take 597 from eight hundred and four	...207....
(3.) Multiply twenty-five by seventeen.....	...425....
(4.) Divide 1944 by twenty-seven.....	.....72....
(5.) 8 + 18 + 81 + 28 + 82 - 7 + 17 + 27	...166....
(6.) From 1900 take a thousand and nine....	...891....
(7.) Multiply fifty-seven by sixteen.....	...912....
(8.) Divide 1792 by thirty-two.....	.....56....

B	
(1.) 9 + 19 + 91 + 29 + 92 + 8 + 18 + 28	...294...
(2.) Take 999 from 1606.....	...607....
(3.) Multiply thirty-nine by fifteen.....	...585....
(4.) Divide 2001 by twenty-three.....	.....87....
(5.) 6 + 16 + 66 + 106 + 26 + 25 + 15.....	...260....
(6.) From 2020 take 1202.....	...818....
(7.) Multiply seventy-five by nineteen.....	.1425....
(8.) Divide 1200 by twenty-five.....	.....48....

C	
(1.) 4 + 14 + 44 + 140 + 54 + 45 + 150...	...451....
(2.) Take 888 from 1707.....	...819....
(3.) Multiply forty-eight by seventeen.....	...816....
(4.) Divide 1296 by thirty-six.....	.....36....
(5.) 5 + 55 + 15 + 105 + 25 + 125 + 52...	...382....
(6.) From 5050 take 4999.....	.....51....
(7.) Multiply fifty-six by eighteen.....	1008....
(8.) Divide 1575 by thirty-five.....	.....45....

EXERCISE 2.

		Answers. £	s.	d.
A				
(1.)	1 dozen lbs. of salt at 2⅜d.	0	2	9
(2.)	2 dozen oranges at 1¼d.	0	2	6
(3.)	3 dozen story books at 9½d.	1	8	6
(4.)	4 dozen yards of calico at 8⅜d.	1	15	0
(5.)	5 dozen lbs. of fresh butter at 1s. 5½d.	4	7	6
(6.)	6 dozen lbs. of lump sugar at 5⅜d.	1	14	6
(7.)	7 dozen lbs. of tea at 1s. 8¼d.	7	1	9
(8.)	8 dozen yards of red ribbon at 7½d.	3	0	0
B				
(1.)	2 dozen chairs at 3s. 6d.	4	4	0
(2.)	3 dozen pair of stockings at 1s. 11d.	3	9	0
(3.)	4 dozen hand baskets at 7½d.	1	10	0
(4.)	5 dozen lbs. of coffee at 1s. 7½d.	4	17	6
(5.)	6 dozen yards of alpaca at 2s. 3¼d.	8	3	6
(6.)	7 dozen lbs. of ham at 1s. 1¼d.	4	12	9
(7.)	8 dozen eggs at three for 3½d.	1	8	0
(8.)	9 dozen framed slates at 7½d.	3	5	3
C				
(1.)	1½ dozen slates at eightpence	0	12	0
(2.)	2½ dozen writing cases at 2s. 6d.	3	2	6
(3.)	3¾ dozen rulers at ninepence	1	13	9
(4.)	4½ dozen atlases at 1s. 6d.	4	1	0
(5.)	5¼ dozen T-squares at tenpence	5	12	6
(6.)	6¾ dozen drawing books at 1s. 9d.	7	1	9
(7.)	7¼ dozen knives at sixpence	2	3	6
(8.)	8⅓ dozen histories at 1s. 7d.	8	1	6

EXERCISE 3.

	Answers. £	s.	d.
A			
(1.) 7s. 6d. + 5½d. + 18s. 9d. + 7¾d.....	.....1.	..7..	..4¼
(2.) £700, 10s. 1d. − £17, 17s. 7½d.....	682.	12..	..5½
(3.) £15, 10s. 6½d. × 7.....	108.	17..	..9½
(4.) £528, 13s. 9½d. ÷ 7.....	..75.	10..	..6½
(5.) 12s. 10d. + 6¾d. + 19s. 5d. + 3½d..	.....1.	13..	..1¼
(6.) £1000 − £309, 19s. 11¼d.....	690.	..0..	..0¼
(7.) £19, 4s. 8¼d. × 8.....	153.	17..	..6..
(8.) £746, 6s. 8¼d. ÷ 9.....	..82.	18..	..6¼
B			
(1.) 18s. 8d. + 6¼d. + 17s. 7d. + 3¾d....	.....1.	17..	...1..
(2.) £500, 0s. 5d. − £50, 10s. 7¾d.....	449.	..9..	..9¼
(3.) £13, 17s. 4½d. × 9.....	124.	16..	..4½
(4.) £692, 0s. 3d. ÷ 12.....	..57.	13..	..4¼
(5.) 13s. 7d. + 9½d. + 10s. 6d. + 7½d....	.....1.	..5..	..6..
(6.) £10000, 1s. 1½d. − £9009, 1s. 1¾d.	990.	19..	11¾
(7.) £29, 2s. 9¼d. × 10.....	291.	..7..	..8½
(8.) £356, 8s. 1½d. ÷ 10	..35.	12..	..9¾
C			
(1.) 16s. 6d. + 11½d. + 8s. 8¼d. + 5d.....	.....1.	..6..	..6¾
(2.) £707, 17s. 0¼d. − £70, 18s. 9½d.....	626.	18..	..2¾
(3.) £36, 14s. 8½d. × 11.....	404.	..1..	..9½
(4.) £691, 1s. 11½d. ÷ 11	..62.	16..	..6½
(5.) 14s. 9d. + 10¾d. + 19s. 6½d. + 7d..	1	15..	..9¼
(6.) £850, 11s. 3d. − £16, 14s. 5¼d.....	833.	16..	..9¾
(7.) £47, 13s. 9¼d. × 12.....	572.	..5..	..3..
(8.) £683, 17s. 2d. ÷ 8.....	..85.	..9..	..7¾

EXERCISE 4.

A	Answers. £	s.	d.
(1.) A gross of penholders at 2½d. each	1	10	0
(2.) A gross of primers at 4¼d. each	2	11	0
(3.) A gross of slates at 5½d. each	3	6	0
(4.) A gross of arithmetics at 6¾d. each	4	1	0
(5.) A gross of grammars at 7¾d. each	4	13	0
(6.) A gross of Readers at fourpence each	2	8	0
(7.) A gross of geographies at 8½d. each	5	2	0
(8.) A gross of Testaments at 2¾d. each	1	13	0

B			
(1.) A gross of caps at sixpence each	3	12	0
(2.) A gross of thimbles at twopence each	1	4	0
(3.) A gross of shuttlecocks at 3¼d. each	1	19	0
(4.) A gross of knives at 5¾d. each	3	9	0
(5.) A gross of bats at eightpence each	4	16	0
(6.) A gross of balls at 4½d. each	2	14	0
(7.) A gross of skipping ropes at 7½d. each	4	10	0
(8.) A gross of needle cases at 9¼d. each	5	11	0

C			
(1.) A gross of paint boxes at 11d. each	6	12	0
(2.) A gross of guide books at 9¾d. each	5	17	0
(3.) A gross of knives at sevenpence each	4	4	0
(4.) A gross of inkstands at 11¾d. each	7	1	0
(5.) A gross of blotting pads at 1s. each	7	4	0
(6.) A gross of paper knives at 1s. 1d. each	7	16	0
(7.) A gross of pictures at 1s. 1½d. each	8	2	0
(8.) A gross of maps at 1s. 2d. each	8	8	0

EXERCISE 5.

A		Answers. £	s.	d.
(1.)	33 lbs. of sugar at fourpence	..0..	11..	..0..
(2.)	54 lbs. of raisins at fivepence	..1..	..2..	..6..
(3.)	74 lbs. of currants at 6½d.	..2..	..0..	..1..
(4.)	27 lbs. of cheese at ninepence	..1..	..0..	..3..
(5.)	Thirty-nine days at 3½d. per day	..0..	11..	..4½
(6.)	108 quarts of milk at fivepence	..2..	..5..	..0..
(7.)	120 yards of blue ribbon at 6½d.	..3..	..5..	..0..
(8.)	Fourteen weeks (6 days) at 8d. per day.	..2..	16..	..0..

B				
(1.)	Eighteen weeks (6 days) at 10d. per day	..4..	10..	..0..
(2.)	240 lbs. of lard at 10½d.	10..	10..	..0..
(3.)	126 lbs. of cake at elevenpence	..5..	15..	..6..
(4.)	Forty-nine lbs. of fish at 7½d.	...1..	10..	..7½
(5.)	Fifty-three lbs. of bacon at 8¼d.	...1..	16..	..5¼
(6.)	Seventy-five lbs. of cheese at 9½d.	...1..	19..	..4½
(7.)	112 lbs. of butter at 11½d.	..5..	..7..	..4..
(8.)	125 lbs. of coffee at 1s. 6d.	..9..	..7..	..6..

C				
(1.)	13 yards of calico at 8½d.	..0..	..9..	..2½
(2.)	14 yards of ribbon at 9¼d.	..0..	10..	..9½
(3.)	26¼ yards of lining at fourpence	..0..	..8..	..9..
(4.)	39½ yards of trimming at fivepence	..0..	16..	..5½
(5.)	40¾ yards of wincey at sixpence	...1..	..0..	..4½
(6.)	56½ yards of serge at sevenpence	...1..	12..	11½
(7.)	49¼ yards of holland at eightpence	...1..	12..	10..
(8.)	A hundred yards of alpaca at 11½d.	..4..	15..	10..

EXERCISE 6.

		Answers. £	s.	d.
A				
(1.)	120 pencils at a penny each	...0.	10..	..0..
(2.)	120 penholders at twopence each	...1.	..0..	..0..
(3.)	120 straps at threepence each	...1.	10..	..0..
(4.)	120 pencil cases at 4½d. each	...2.	..5..	..0..
(5.)	240 slates at 4⅝d. each	...4.	15..	..0..
(6.)	240 story books at 11½d. each	.11.	10..	..0..
(7.)	240 paint boxes at 1s. 2½d. each	14.	10..	..0..
(8.)	240 atlases at 2s. 3½d. each	27.	10..	..0..
B				
(1.)	360 hoops at fourpence each	...6.	..0..	..0..
(2.)	360 balls at 4½d. each	...6.	15..	..0..
(3.)	360 bottles of gum at 5½d. each	...8.	..5..	..0..
(4.)	360 boxes at eightpence each	12.	..0..	..0..
(5.)	480 bands at 3⅝d. each	...7.	10..	..0..
(6.)	480 baskets at 6½d. each	13.	..0..	..0..
(7.)	480 knives at 1s. 5d. each	34.	..0..	..0..
(8.)	480 compasses at 2s. 1d. each	50.	..0..	..0..
C				
(1.)	600 paper knives at 6½d. each	16.	..5..	..0..
(2.)	600 ink wells at fourpence each	10.	..0..	..0..
(3.)	600 pictures at 1s. 4d. each	40.	..0..	..0..
(4.)	720 maps at threepence each	...9.	..0..	..0..
(5.)	720 framed slates at 6¼d. each	18.	15..	..0..
(6.)	720 bells at 8½d. each	25.	10..	..0..
(7.)	840 rulers at sixpence each	21.	..0..	..0..
(8.)	840 exercise books at 9½d. each	33.	..5..	..0..

EXERCISE 7.

A	Answers. £	s.	d.
(1.) If 4 yds. cost 20s., what is that per yd.?..	..0..	..5..	..0..
(2.) If 7 yds. cost 35s., what is the price of 2?	..0..	10..	..0..
(3.) If 9 books cost 27s., what will 3 cost?.....	..0..	..9..	..0..
(4.) If 16 lambs cost 80s., what will 4 come to?	.. 1..	..0..	..0..
(5.) If 5 tons cost £2, 10s., what will 30 cost?	15..	..0..	..0..
(6.) If 30 lbs. cost 36s., what will 5 come to?.	..0..	..6..	..0..
(7.) If 15 sheep cost £11, 5s., what will 3 cost?	..2..	..5..	..0..
(8.) If 8 lbs. cost 24s., what will 20 come to?	..3..	..0..	..0..

B

(1.) If 14 hats cost £5, 12s., what will 5 cost?	..2..	..0..	..0..
(2.) If 16 knives cost 24s., what will 48 cost?	..3..	12..	..0..
(3.) If 6 tables cost £2, 5s., what will 30 cost?	11..	..5..	..0..
(4.) If 5 books cost 2s. 6d., what will 35 cost?	..0..	17..	..6..
(5.) If 40 stones cost £6, what will 8 come to?	.. 1..	..4..	..0..
(6.) If 4½ cwt. cost £18, what will 7 come to?..	28.	..0..	..0..
(7.) If 17 tons cost £8, 10s., what will 4 cost?	..2..	..0..	..0..
(8.) If 2½ lbs. cost 10s., what will 14 come to?	..2..	16..	..0..

C

(1.) If 16 lbs. cost £6, 8s., what will 12 cost?.	..4..	16..	..0..
(2.) If 6 hats cost £4, 16s., what will 4 cost?..	..3..	..4..	..0..
(3.) If 14 jars cost £4, 18s., what will 21 cost?	..7..	..7..	..0..
(4.) If 15 yds. cost 4s. 4½d., what will 60 cost?	..0..	17..	..6..
(5.) If 9 yds. cost 15s. 9d., what will 36 cost?	..3..	..3..	..0..
(6.) If 3 yds. cost 3s. 10½d., what will 24 cost?	.. 1..	11..	..0..
(7.) If 4 yds. cost £2, 10s., what will 20 cost?	12..	10..	..0..
(8.) If 60 gallons cost £72, what will 40 cost?	48.	..0..	..0..

EXERCISE 8.

A	Answers. £	s.	d.
(1.) Twenty balls at twopence each	.0..	..3..	..4..
(2.) Twenty skipping ropes at 3½d. each	..0..	..5..	10..
(3.) Twenty tickets at 4¼d. each	..0..	..7..	.. 1..
(4.) Twenty bags at sixpence each	..0..	10..	..0..
(5.) Twenty pencil cases at 9½d. each	..0..	15..	10..
(6.) Twenty puzzles at elevenpence each	..0..	18..	.4..
(7.) Twenty pictures at eightpence each.	..0..	13..	..4..
(8.) Twenty books at 11¼d. each	..0..	18..	..9..

B			
(1.) Twenty caps at 1s. 7½d. each	..1..	12..	..6..
(2.) Twenty pinafores at 1s. 6¼d. each	..1.	10..	..5..
(3.) Twenty shawls at 1s. 8½d. each	..1..	14..	.2..
(4.) Twenty shirts at 1s. 4¾d. each	..1..	..7..	11..
(5.) Twenty fronts at 1s. 5¾d. each	..1..	..9..	..7..
(6.) Twenty belts at 1s. 9d. each	..1..	15..	.0..
(7.) Twenty scarfs at 1s. 9¼d. each	..1..	15..	..5..
(8.) Twenty hoods at 1s. 10½d. each	..1..	17..	..6..

C			
(1.) Twenty neck-ties at 1s. 6¾d. each	..1..	11..	..3..
(2.) Twenty pinafores at 2s. 4½d. each	..2..	..7..	..6..
(3.) Twenty feathers at 3s. 7¾d. each	..3..	12..	11..
(4.) Twenty hats at 4s. 11¾d. each	..4..	19..	..7..
(5.) Twenty bonnets at 5s. 2¾d. each	..5..	..4..	..7..
(6.) Twenty dresses at six shillings each	..6..	..0..	..0..
(7.) Twenty coats at 7s. 3d. each	..7..	..5..	..0..
(8.) Twenty jackets at 8s. 6d. each	.8..	10..	..0..

EXERCISE 9.

	Answers. £	s.	d.
A			
(1.) What is the value of 1 lb. at 3d. per oz.?....	...0.	..4..	..0..
(2.) What is the value of 1 lb. at 3½d. per oz.?..	...0.	..4..	..8..
(3.) What is the value of 1 lb. at 4d. per oz.?....	...0.	..5..	..4..
(4.) What is the value of 2 lbs. at 4½d. per oz.?	..0.	11..	..4..
(5.) What is the value of 1 lb. at 5d. per oz.?....	...0.	..6..	..8..
(6.) What is the value of 1 lb. at 5⅝d. per oz.?..	...0.	..7..	..8..
(7.) What is the value of 1 lb. at 6d. per oz.?....	...0.	..8..	..0..
(8.) What is the value of 2 lbs. at 7½d. per oz.?	...1.	..0..	..0..
B			
(1.) What is the value of 112 lbs. at 3½d. each?	...1.	12..	..8..
(2.) What is the value of 112 lbs. at 4d. each?..	...1.	17..	..4..
(3.) What is the value of 112 lbs. at 4½d. each?	...2.	..2..	..0..
(4.) What is the value of 112 lbs. at 4⅝d. each?	...2.	..4..	..4..
(5.) What is the value of 112 lbs. at 5d. each?..	...2.	..6..	..8..
(6.) What is the value of 112 lbs. at 6½d. each?	...3.	..0..	..8..
(7.) What is the value of 112 lbs. at 7½d. each?	...3.	..7..	..8..
(8.) What is the value of 112 lbs. at 8d. each?..	...3.	14..	..8..
C			
(1.) What is the value of a ton at 4d. per lb.?..	37.	..6..	..8..
(2.) What is the value of a ton at 2½d. per lb.?	23.	..6..	..8..
(3.) What is the value of a ton at 3d. per lb.?.	28.	..0..	..0..
(4.) What is the value of 1 ton at 3½d. per lb.?..	30.	..6..	..8..
(5.) What is the value of 2 tons at 3½d. per lb.?	65.	..6..	..8..
(6.) What is the value of 1 ton at 3⅝d. per lb.?..	35.	..0..	..0..
(7.) What is the value of 2 tons at 5d. per lb.?..	93.	..6..	..8..
(8.) What is the value of 1 ton at 4½d. per lb.?..	42.	..0..	..0..

EXERCISE 10.

	Answers. £	s.	d.
A			
(1.) A hundred pencils at ½d. each	0	4	2
(2.) A hundred cards at a farthing each	0	2	1
(3.) A hundred envelopes at ¾d. each	0	6	3
(4.) A hundred copies at twopence each.	0	16	8
(5.) A hundred writing books at 2½d. each	1	0	10
(6.) A hundred pen-wipers at 3¼d. each	1	7	1
(7.) A hundred dusters at 4½d. each	1	15	5
(8.) A hundred slates at fivepence each.	2	1	8
B			
(1.) A hundred plates at 6½d. each	2	14	2
(2.) A hundred cups at 6¾d. each	2	16	3
(3.) A hundred dishes at 7d. each	2	18	4
(4.) A hundred vases at 7¼d. each	3	0	5
(5.) A hundred glasses at 5¾d. each	2	7	11
(6.) A hundred jugs at 6¼d. each	2	12	1
(7.) A hundred saucers at 2¾d. each	1	2	11
(8.) A hundred bottles at 10½d. each.	4	7	6
C			
(1.) A hundred chickens at 1s. 4d. each	6	13	4
(2.) A hundred pheasants at 1s. 6d. each	7	10	0
(3.) A hundred rabbits at 1s. 8d. each	8	6	8
(4.) A hundred fowls at 1s. 10d. each	9	3	4
(5.) A hundred pigeons at 2s. each	10	0	0
(6.) A hundred ducks at 2s. 3d. each	11	5	0
(7.) A hundred geese at 2s. 5d. each	12	1	8
(8.) A hundred hares at 2s. 7d. each	12	18	4

EXERCISE 11.

A

	Answers. £	s.	d.
(1.) If 16 lbs. cost 48 shillings, what is the price of 4 lbs.?	..0..	12..	..0..
(2.) 24 articles cost 36 shillings; what was the price of 1?	..0..	...1..	..6..
(3.) If 10 men earn 50 shillings, how much will 25 men earn?	..6..	..5..	..0..
(4.) If 9 lbs. of soap cost 54 pence, what is the price of 2 lbs.?	..0..	.. 1..	..0..
(5.) If 6 tons of coal cost 72 shillings, what is the value of 10?	..6..	..0..	..0..
(6.) If 10 lbs. cost 20 shillings, what will 45 lbs. cost?	..4..	10..	..0..
(7.) If 60 articles cost £8, 8s., what will 15 amount to?	..2..	..2..	..0..

B

	Answers.
(1.) If 10 men cut down a field in 8 days, how many will do it in 16 days?	..... 5 men.....
(2.) If 30 acres are cut in 5 days, how many will be cut in 40 days?	..240 acres ...
(3.) If 7 men eat 10½ loaves a week, how many will 28 men eat?	.....42 loaves..
(4.) A man travels 156 miles a day; how far will he travel in 6 days?	..936 miles ...
(5.) If 6 men build a wall in 48 days, how many will raise it in 4 days?	.....72 men.....
(6.) How many yards 4 quarters wide are equal to 20 yards 6 quarters wide?	..... 30 yards...
(7.) How many yards 5 quarters wide are equal to 40 yards 3 quarters wide?	..... 24 yards...

EXERCISE 12.

		Answers. £	s.	d.
A				
(1.)	How much is 4d. a day for a year?	...6.	..1..	..8..
(2.)	How much is 5d. a day for a year?	...7.	12..	...1..
(3.)	How much is 6d. a day for a year?	...9.	..2..	..6..
(4.)	How much is 7d. a day for a year?	10.	12.	11..
(5.)	How much is 8d. a day for a year?	12.	..3..	..4..
(6.)	How much is 9d. a day for a year?	13.	13..	..9..
(7.)	How much is 10d. a day for a year?	15.	..4..	..2..
(8.)	How much is 11d. a day for a year?	16.	14..	..7..
B				
(1.)	313 days at fourpence per day	...5.	..4..	..4..
(2.)	313 days at sixpence "	...7.	16..	..6..
(3.)	313 days at sevenpence "	...9.	..2..	..7..
(4.)	313 days at eightpence "	10.	..8..	..8..
(5.)	313 days at ninepence "	.11.	14..	..9..
(6.)	313 days at elevenpence "	14.	..6..	11..
(7.)	313 days at a shilling "	15.	13..	..0..
(8.)	313 days at 1s. 6d. "	23.	..9..	..6..
C				
(1.)	How much is 4s. a day for January?	...6.	..4..	..0..
(2.)	How much is 3s. a day for April?	...4	10..	..0..
(3.)	How much is 5s. a day for July?	...7.	15..	..0..
(4.)	How much is 7s. a day for November?	10.	10..	..0..
(5.)	How much is 9s. a day for May?	13.	19..	..0..
(6.)	How much is 10s. 6d. a day for February?	14.	14..	..0..
(7.)	How much is 11s. a day for September?	16.	10..	..0..
(8.)	How much is 12s. 6d. a day for December?	19.	..7..	..6..

EXERCISE 13.

A

	Answers. £	s.	d.
(1.) If 6 articles cost 18 shillings, what will be the price of 15?	2.	5.	0.
(2.) If 3 pair of shoes cost 18 shillings, what will 2 dozen pair amount to?	7.	4.	0.
(3.) If 10 men earn £20, how much will 40 men earn in half the time?	40.	0.	0.
(4.) If 12 men gain £108, how much will be gained by 4 men in one-third of the time?	12.	0.	0.
(5.) If I pay a guinea for 14 yards, what must I pay for 17½ yards?	1.	6.	3.
(6.) If 36 men earn £108, what will 108 men earn?	324	0.	0.
(7.) If the sixpenny loaf weigh 64 ounces, what will the 96 ounce loaf cost?	0.	0.	9.

B

(1.) If 40 men earn £160, how much will 100 men earn at the same rate?	400.	0.	0.
(2.) If 6 pieces of cloth cost £10, 16s., what will 1 piece cost?	1.	16.	0.
(3.) If 9 pieces of cloth, each 4 yards, cost £5, 8s., what will 12 yards cost?	1.	16.	0.
(4.) If one owes me £1000, and I take 15s. a pound, what do I receive?	750	0.	0.
(5.) If a man owes £1600, and pays 7s. 6d. a pound, how much does he pay?	600.	0.	0.
(6.) A bankrupt owes £3000, paying in all £2000; what is that per pound?	0.	13.	4.
(7.) If 7 yards cost 4s. 4½d., what will 32 yards cost?	1.	0.	0.

EXERCISE 14.

A		Answers.
(1.)	18 × 4 ÷ 9 × 8 − 1 ÷ 7 × 11 − 3 ÷ 12...	.....8.....
(2.)	15s. 8d. × 12 ÷ 9, then reduce to pence...	.....252.....
(3.)	How many 4 oz. parcels in a cwt.?.....	.....448.....
(4.)	5¼ dozen glasses at 4½d. each.....	£1, 3s. 7½d.
(5.)	20 silk hats at 15s. 9d. each.....	...£15, 15s...
(6.)	7 gross cucumbers at 3 for 1s. 9d.....	.....£2, 9s.....
(7.)	53½ lbs. of butter at 1s. 10d. per lb.....	£4, 18s. 1d.
(8.)	If 1½ lb. of tea cost 3s. 9d., what will 11 cost?	..£1, 7s. 6d..

B		
(1.)	15 × 15 ÷ 5 × 2 + 6 ÷ 8 × 10 − 65.....	.....55.....
(2.)	13s. 9d. × 10 − £3, 18s. 10d. ÷ 8.....	....7s. 10d....
(3.)	How many farthings in half a guinea?	.....504.....
(4.)	1¼ gross of books at 9 for 1s. 3¾d.....	£1, 11s. 6d.
(5.)	A year's wages at 9½d. per day.....	£14, 1s. 4½d.
(6.)	2¼ lbs. at £18, 13s. 4d. per cwt.....	.....7s. 6d.....
(7.)	If 36 eggs cost 4s. 9d., what will 120 cost?	.....9s. 6d.....
(8.)	Divide 20 guineas by 14.....	....£1, 10s....

C		
(1.)	16 × 12 − 60 ÷ 11 × 5 + 4 ÷ 8.....	.....8.....
(2.)	16s. 4d. × 9 ÷ 7 − 3s. 6d.; reduce to pence	.....210.....
(3.)	A month (28 days) at 5½d. per day.....	...12s. 10d...
(4.)	7 dozen balls at 2¾d. each.....	....19s. 3d....
(5.)	If a ton cost £5, 10s., what will 1½ cwt. cost?	.....8s. 3d.....
(6.)	How many ninepences in 11 guineas?...	.....308.....
(7.)	1000 yards of ribbon at 3½d. per yard.....	£14, 11s. 8d.
(8.)	5 dozen at 9s. 6d. per gross.....	...3s. 11½d..,

EXERCISE 15.

A		Answers.
(1.)	50 × 5 − 10 ÷ 12 × 5 − 1 ÷ 9	11
(2.)	7s. 6d. × 20 − £1, 5s.; how many crowns?	25
(3.)	1000 threepences and 1000 fourpences	£29, 3s. 4d.
(4.)	20 tables at £7, 5s. 6d. each	£145, 10s.
(5.)	If 50 yds. cost £6, 5s., what will 2½ yds. cost?	6s. 3d.
(6.)	Multiply 25 by eighteen	450
(7.)	1½ gross of slates at 9 for 2s. 2½d.	£2, 13s.
(8.)	How many inches in ⅛ of a mile?	7920

B		
(1.)	13 × 13 − 1 ÷ 8 × 4 ÷ 12 × 5	35
(2.)	18s. 8d. × 5 − 12s. 8d.; how many 4d.?	242
(3.)	Divide 8613 by eleven	783
(4.)	How many dozen in 27 score?	45
(5.)	250 yards of calico at 8½d. per yard	£8, 11s. 10½d.
(6.)	28 days' wages at 5s. 7½d. per day	£7, 17s. 6d.
(7.)	How many times 6s. 8d. in £127, 13s. 4d.?	383
(8.)	If a ¼ of a yd. cost 9d., what will 3½ yds. cost?	10s. 6d.

C		
(1.)	17 × 5 − 1 ÷ 7 × 20 ÷ 30 × 7	56
(2.)	A guinea − 13s. 6d. × 8	£3
(3.)	50 farthings + 50 pence + 50 sixpences	£1, 10s. 2½d.
(4.)	In 1008 lbs. how many quarters of a cwt.?	36
(5.)	In 1386 inches how many poles?	7
(6.)	Multiply £7, 13s. 7½d. by twelve	£92, 3s. 6d.
(7.)	84 articles at four for 5½d.	£5, 15s. 6d.
(8.)	If 15 yds. cost £3, 15s., what will 3 yds. cost?	15s.

EXERCISE 16.

A		Answers.
(1.)	25 × 4 − 1 ÷ 11 × 8 × 2 ÷ 12	12
(2.)	How many crowns in 150 fourpences?	10
(3.)	Take 3s. 3½d. from 3½ guineas	£3, 10s. 2½d.
(4.)	How many days in Jan., June, and Dec.?	92
(5.)	If 5 cows cost £94, 7s. 6d., what will 6 cost?	£113, 5s.
(6.)	Reduce ¾ of an hour to seconds	2700
(7.)	How many times 3s. 4d. in 20 guineas?	126
(8.)	How many score in 760?	38

B		
(1.)	35 × 4 ÷ 20 × 15 + 3 ÷ 12 × 10 ÷ 5	18
(2.)	3⅛ yards at 16s. 8d. per yard	£2, 12s. 1d.
(3.)	50 florins + 56 half-crowns + 15 crowns	£15, 15s.
(4.)	How many quarters in 13¼ tons?	1060
(5.)	How many parcels of 7 lbs. each in 3 qrs.?	12
(6.)	Take 719 from 3706	2987
(7.)	3½ lbs. at 56 lbs. for £3, 0s. 8d.	3s. 9½d.
(8.)	Divide 7230 by fifteen	482

C		
(1.)	100 ÷ 4 × 6 ÷ 10 × 8 ÷ 20 × 7	42
(2.)	78½ lbs. of tea at 2s. 6d. per lb.	£9, 16s. 3d.
(3.)	A year at 1s. 6½d. per day	£28, 2s. 8½d.
(4.)	5½ dozen caps at six for 1s. 6d.	16s. 6d.
(5.)	100 toys at 4s. 9d. per score	£1, 3s. 9d.
(6.)	How many pounds in 10560 farthings?	£11
(7.)	Divide 1750 by twenty-five	70
(8.)	A yard at half a guinea an inch	£18, 18s.

EXERCISE 1.

A	Answers.
(1.) Multiply 3716 by 10	....37160....
(2.) Reduce £80, 18s. 8d. to fourpences	.....4856.....
(3.) 75 articles at ½d. each	....1s. 6¾d....
(4.) 25 yards at 5 yards for 8s. 6d	..£2, 2s. 6d.
(5.) Take 13s. 3½d. from £30	£29, 6s. 8½d.
(6.) Divide 7263 by 10	...726 + 3...
(7.) 6 + 16 + 29 + 85 + 73 + 32	.....241.....
(8.) How many pence in ¾ of £1?	.....180.....
(9.) 5 dozen inkstands at 1s. 7½d. each	£4, 17s. 6d.
(10.) How many steps of 2 feet long in 4 poles?	.....33.....
(11.) Reduce $\frac{71}{8}$ to a mixed number	.....$8\frac{7}{8}$.....
(12.) Interest on £16 for 1 year at 10 per cent...	....£1, 12s....

B	
(1.) 82 oranges at ½d. each	.....3s. 5d.....
(2.) From £17 take 1s. 6d. × 7	£16, 9s. 6d.
(3.) 32 yards at 4 yards for 1s. 7½d.	...12s. 10d...
(4.) Multiply 519 by 50	....25950...
(5.) 95 ÷ 5 × 4 + 1 ÷ 11 × 10 − 52	.....18.....
(6.) Interest on £29, 10s. for a year at 5 per cent.	..£1, 9s. 6d..
(7.) Divide 81570 by 30	..... 2719 .....
(8.) Reduce £155 to half-crowns	.....1240.....
(9.) 3 dozen glasses at 9½d. each	..£1, 7s. 9d..
(10.) Take a nail from an English ell	..42¼ inches..
(11.) Reduce 8¼ to an improper fraction...	.....$\frac{33}{4}$.....
(12.) Multiply 4s. 2d. by 32	£6, 13s. 4d.

EXERCISE 2.

A	Answers.
(1.) Divide 71506 by 100	...715 + 6...
(2.) 1 book at 27s. 6d. per dozen	....2s. 3½d....
(3.) 98 tops at a penny each	.....8s. 2d.....
(4.) Reduce 1760 farthings to shillings	£1, 16s. 8d.
(5.) Take 8s. 9d. × 3 from £50	£48, 13s. 9d.
(6.) Multiply 676 by 100	....67600...
(7.) Take ⅛ of a guinea from ⅘ of £1	.....1s. 8d.....
(8.) 16 yards at 64 yards for £6, 18s. 8d.	£1, 14s. 8d.
(9.) Interest on £35, 10s. for 1 year at 2½ %	....17s. 9d....
(10.) 715 ÷ 5 × 3	.....429.....
(11.) Find the square of 45	....2025.....
(12.) Reduce $\frac{4}{3}$ to a mixed number	.....19⅓.....

B	
(1.) 72 yards at 9 yards for 5s. 3d.	.....£2, 2s.....
(2.) Interest on £25 for 1 year at 4 per cent.	.....£1.....
(3.) From 100 shillings take 5s. 2½d. × 7	£3, 3s. 6½d.
(4.) Divide 181815 by 1000	181 + 815
(5.) Reduce 1810 halfpence to fivepences	.....181.....
(6.) 186 cards at 1½d. each	..£1, 3s. 3d..
(7.) Reduce 15⅘ to an improper fraction	..... $\frac{11}{1}$ .....
(8.) Multiply 1372 by 5	.....6860.....
(9.) Divide 375 by 2½	.....150.....
(10.) 3 peaches at 3 guineas a gross	....1s. 3¾d....
(11.) A cheese cost £1, 10s. 6d.; what is ⅘ worth?	..£1, 0s. 4d..
(12.) Add ¼ and ⅓ of a shilling	..... 9d.....

EXERCISE 3.

A	Answers.
(1.) Interest on £53 for 3 years at 10 per cent.	..£15, 18s..
(2.) Multiply 162 by 15	.....2430.....
(3.) 15s.+18s. 6d.+14s. 2½d.+3s. 6d.+13s.	£3, 4s. 2½d.
(4.) 783 boxes at 2d. each	£6, 10s. 6d.
(5.) Reduce to halfpence £1, 10s. 6½d	.....733.....
(6.) Divide 675 by 5	.....135.....
(7.) 7 yards of cloth at 5½d. per nail	£2, 11s. 8d.
(8.) Reduce a quarter to ounces	....448 oz....
(9.) Find the value of ·25 of 10s.	.....2s. 6d.....
(10.) 130 apples at 5 for 1½d.	.....3s. 3d.....
(11.) 36 yards at 15 yards for 8s. 9d.	.....£1, 1s.....
(12.) A score lbs. of potatoes at 2½d. per lb. ...	.....4s. 2d.....

B	
(1.) 87 + 9 + 19 + 36 + 72 + 15 + 35	.....273.....
(2.) Multiply 48 by 35	.....1680.....
(3.) 125 rulers at 3d. each	£1, 11s. 3d.
(4.) What remains of £5 after spending £1, 11s.?	.....£3, 9s.....
(5.) Find the value of ·5 of 13s. 6d.	.....6s. 9d.....
(6.) Multiply 160 by 3¼	.....520.....
(7.) A score of sheep at £3, 10s. 6d. each ...	..£70, 10s..
(8.) Divide 1850 by 50	.....37.....
(9.) Find the square of 75	.....5625.....
(10.) 44 yards at 5½ yards for 2s. 8d.	..£1, 1s. 4d..
(11.) 16 + 18 − 2 × 4 ÷ 8 × 5 − 49	.....31.....
(12.) Interest on £27, 10s. for 6 years at 5 %	.....£8, 1s.....

EXERCISE 4.

A

		Answers.
(1.)	Find the square of 64	4096
(2.)	Divide 675 by 25	27
(3.)	Reduce ¼ of an acre to feet	10890
(4.)	Interest on £82 for 4 years at 2½ per cent.	£8, 4s.
(5.)	16 × 6 ÷ 8 × 9 + 2 ÷ 11 × 6 − 35	25
(6.)	416 pencils at 4d. each	£6, 18s. 8d.
(7.)	15 dozen portraits at 7½d. each	£5, 8s. 9d.
(8.)	Multiply 59 by 45	2655
(9.)	Find the sum of ⅛ and $\frac{1}{12}$ of a shilling	10½d.
(10.)	39 yards at 6½ yards for 18s. 6d.	£5, 11s.
(11.)	Find the value of ·75 of £5	£3, 15s.
(12.)	100 hens at 3s. 9d. each	£18, 15s.

B

(1.)	Interest on £65 for 7 years at 4 per cent.	£18, 4s.
(2.)	Divide 8000 by 125	64
(3.)	Find the square of 7 × 7	2401
(4.)	Reduce 3½ bushels to gills	896
(5.)	Multiply 73 by 55	4015
(6.)	A square yard at ¾d. per square inch	£4, 1s.
(7.)	52 yards at 13 yards for a guinea	£4, 4s.
(8.)	826 caps at 6d. each	£20, 13s.
(9.)	18 × 17 − 6 ÷ 15 × 5 − 4 ÷ 12	8
(10.)	Find the value of ·75 of £1	15s.
(11.)	Divide 1862½ by 12½	149
(12.)	240 pencils at 1s. 2½d. per dozen	£1, 3s. 9d.

EXERCISE 5.

A	Answers.
(1.) 480 pens at 3 for a penny	....13s. 4d....
(2.) Add $\frac{1}{8}$ of a crown to $\frac{3}{4}$ of a half-crown	.....5s.....
(3.) Multiply 83 by 75	.....6225.....
(4.) Take 3s. 5½d. from 1½ guinea	£1, 8s. 0½d.
(5.) 5 sheep cost £28, 12s. 6d., what will 30 cost?	..£171, 15s..
(6.) Divide 67185 by 10	..6718 + 5..
(7.) Find the square of 56	..... 3136.....
(8.) Reduce $\frac{23}{2}$ to a mixed number	.....41½.....
(9.) 13 × 3 + 18 × 2 − 6 ÷ 9 × 10 − 65	.....55.....
(10.) 315 books at eightpence each	..£10, 10s..
(11.) Reduce a ton to pounds	.....2240.....
(12.) Interest on £20 for 2½ years at 7½ per cent.	....£3, 15s....

B

(1.) Reduce 6 guineas to florins	.....63.....
(2.) 600 tops at 5 for 7d	....£3, 10s....
(3.) Add $\frac{3}{7}$ of a half-guinea to $\frac{5}{6}$ of 2s. 6d.	.....5s. 1d.....
(4.) Multiply 125 by 56	.....7000.....
(5.) What is the value of ·25 of £150?	..£37, 10s..
(6.) Interest on £25 for 3 years at 10 per cent.	....£7, 10s....
(7.) 24 hens cost £2, 14s.; what will 3 cost?	.....6s. 9d.....
(8.) Divide 87165 by 15	.....5811.....
(9.) Take 3½ stones from $\frac{3}{4}$ of a cwt	..1 qr. 7 lbs..
(10.) 723 lbs. of cheese at 1s. per lb	....£36, 3s....
(11.) Find the square of 3 × 9	.....729.....
(12.) Reduce 18$\frac{3}{7}$ to an improper fraction	..... $\frac{129}{7}$ .....

EXERCISE 6.

A	Answers.
(1.) Interest on £32 for 4½ years at 5 per cent.	£7, 4s.
(2.) Reduce 17 crowns to tenpences	102
(3.) Divide 5783 by 100	57 + 83
(4.) 140 days at 7 days for 8s. 3d.	£8, 5s.
(5.) 75 + 6 + 18 + 35 + 61 + 18 + 8	221
(6.) Multiply 250 by 32	8000
(7.) Find the square of 19 + 19	1444
(8.) 960 kites at 7½d. each	£29
(9.) A pole of land at ⅜d. an inch	12s. 4½d.
(10.) Find the value of ⅜ of a guinea	14s.
(11.) A peck at £3, 12s. a quarter	2s. 3d.
(12.) 624 scarfs at 3d. each	£7, 16s.

B

(1.) 1000 books at 25 for 12s. 6d.	£25
(2.) Interest on £100 for 6 years at 12½ %	£75
(3.) 1000 sixpences to half-crowns	200
(4.) 720 collars at 1s. 9d. per dozen	£5, 5s.
(5.) How many times 2½d. in 50 pence?	20
(6.) Find the square of 53	2809
(7.) 32 + 18 + 6 ÷ 7 × 9 × 2 ÷ 12	12
(8.) 516 pinafores at 1s. 4d. each	£34, 8s.
(9.) What is the value of ⅝ of £100?	£62, 10s.
(10.) Divide 3750 by 50	75
(11.) 10000 envelopes at 250 for 1s. 8d.	£3, 6s. 8d.
(12.) Find the value of ⅔ of £10	£8, 6s. 8d.

EXERCISE 7.

A	Answers.
(1.) Reduce 900 fourpences to pounds.....	.....£15.....
(2.) Multiply 27 by 16.....	.....432.....
(3.) How many eightpences in £7, 10s. 8d.?	.....226.....
(4.) 840 penknives at 5 for 2s. 6d.....	.....£21.....
(5.) Find the square of 16 + 18.....	.....1156.....
(6.) Divide 8100 by 25	.....324.....
(7.) 5016 - 329 + 82 - 146	.....4623.....
(8.) Find the value of $\frac{8}{9}$ of £25, 12s.	....£9, 12s....
(9.) 836 baskets at 1s. 6d. each.....	..£62, 14s..
(10.) Add $\frac{5}{6}$ of a shilling to $\frac{9}{10}$ of a crown...	....5s. 1½d....
(11.) What will 55 caps cost at 11 for 4s. 7d.?	£1, 2s. 11d.
(12.) Interest on £150, 10s. for 5 years at 4 %	...£30, 2s...

B	
(1.) Find the value of ·5 of a cwt.....	.....56 lb.....
(2.) 15 + 75 + 16 + 36 + 17 + 57 + 36	.....252.....
(3.) Multiply 35 by 18.....	.....630.....
(4.) Reduce £50 to threehalfpences.....	.....8000.....
(5.) Find a fourth proportional to 6:16::30	.....80.....
(6.) Divide 76125 by 125	.....609.....
(7.) How many steps 18 in. long in ¼ of a mile?	.....880.....
(8.) 925 Bibles at 2s. each	..£92, 10s..
(9.) Reduce 1¼ cwt. to half lbs.	.....280.....
(10.) Interest on £75, 10s. for 1 year at 25 %...	£18, 17s. 6d.
(11.) An inch of ribbon at a guinea a yard ...	.....7d.....
(12.) 360 tops at two dozen for 1s. 4½d.....	£1, 0s. 7½d.

EXERCISE 8.

A	Answers.
(1.) 729 stools at 2s. 6d. each	£91, 2s. 6d.
(2.) Find a fourth proportional to 7:14::35	70
(3.) 14 + 52 − 2 ÷ 8 × 10 − 35 ÷ 9	5
(4.) Multiply 42 by 24	1008
(5.) Reduce $81\frac{2}{7}$ to an improper fraction	$\frac{569}{7}$
(6.) 216 books at $5\frac{1}{4}$d. each	£4, 14s. 6d.
(7.) How many ninepences in £7, 10s.?	200
(8.) Divide 3632 by 16	227
(9.) Take $\frac{2}{3}$ of a shilling from $\frac{3}{5}$ of a crown	2s. 8d.
(10.) Interest on £13, 10s. for 2 years at 20 %	£5, 8s.
(11.) How many parcels of 6 oz. in 6 lbs.?	16
(12.) Find the value of ·25 of a ton	5 cwt.

B	
(1.) 180 vases at 15 for 3s. 6d.	£2, 2s.
(2.) 2 oz. of tea at £4, 13s. 4d. a stone	10d.
(3.) Divide 1740 by 30	58
(4.) 37 + 65 + 8 + 9 + 17 + 82 + 6	224
(5.) Find a fourth proportional to 18:72::24	96
(6.) Multiply 36 by 28	1008
(7.) How many fivepences in £7, 10s.?	360
(8.) Interest on £160 for 3 years at 5 per cent.	£24
(9.) Take $\frac{1}{3}$ of £2 from $\frac{2}{5}$ of £5	£3, 1s. 8d.
(10.) 513 jackets at 3s. 4d. each	£85, 10s.
(11.) Find the square of 6 × 9	2916
(12.) Find the value of ·75 of a yard	27 inches

EXERCISE 9.

A	Answers.
(1.) Interest on £120 for 1 month at 10 %	£1
(2.) Reduce half a guinea to farthings	504
(3.) Multiply 26 by 32	832
(4.) Take 7½d. from ¾ of a shilling	1¾d.
(5.) 3 weeks at £5 per month	£3, 15s.
(6.) 1816 chairs at 4s. each	£363, 5s.
(7.) Find the square of 12 + 25	1369
(8.) Divide 7350 by 25	294
(9.) 5 gross at 6 dozen for 16s. 6d.	£8, 5s.
(10.) Find the value of ⅛ of a mile in yards	1540
(11.) A year's wages at 7½d. per day	£11, 8s. 1½d.
(12.) 18 + 19 + 17 + 15 + 26 + 25 + 8	128

B	
(1.) Multiply 54 by 36	1944
(2.) One-fourth of 180 + ⅛ of 210	115
(3.) Interest on £60 for 2 months at 5 %	10s.
(4.) 59 + 6 + 16 + 17 + 8 + 52 + 3	161
(5.) Divide 5848 by 8	731
(6.) How many times 1s. 3d. in £6, 5s.?	100
(7.) Find the value of ·25 of 6d.	1½d.
(8.) 8319 pictures at 5s. each	£2079, 15s.
(9.) ·5 of £56, 10s. + ·75 of £16, 10s.	£40, 12s. 6d.
(10.) 5 ounces of tea at 1⅛ lb. for 4s. 6d.	11¼d.
(11.) A year's wages at 1s. 6d. per day	£27, 7s. 6d.
(12.) Find the square of 83	6889

EXERCISE 10.

A	Answers.
(1.) 313 days at 9¼d. per day	£12, 1s. 3¼d.
(2.) How many times 1s. 4d. in £8, 5s. 4d.?	124
(3.) Divide 3718 by 11	338
(4.) Find a fourth proportional to 9:36::54	216
(5.) How many inches in ¾ and ⅞ of a yard?	47
(6.) Multiply 37 by 45	1665
(7.) How many sq. inches in board 9 in. by 6?	54
(8.) Find the value of 1½ of a guinea	£1, 11s. 6d.
(9.) How many minutes in 1¾ hour?	105
(10.) 1914 table-cloths at 6s. 8d. each	£638
(11.) 27 × 5 − 3 ÷ 11 × 12 − 4 ÷ 20	7
(12.) Interest on £80 for 3 months at 2½ %	10s.

B

(1.) Find the value of 2⅛ of 1 lb.	34 oz.
(2.) A ton at a farthing a pound	£2, 6s. 8d.
(3.) Multiply 63 by 48	3024
(4.) How many times 1s. 8d. in £3, 11s. 8d.?	43
(5.) 313 days at 2s. 6d. per day	£39, 2s. 6d.
(6.) 36 × 4 ÷ 24 × 9 + 2 ÷ 8	7
(7.) Divide 8292 by 12	691
(8.) Find a fourth proportional to 8:16::32	64
(9.) Interest on £50 for 4 months at 4 %	13s. 4d.
(10.) Find the square of 96 − 58	1444
(11.) 2716 coats at 10s. each	£1358
(12.) Take 1½ shilling from 1¼ crown	4s. 9d.

EXERCISE 11.

A

	Answers.
(1.) 10½ lbs. of cheese at £3, 19s. 4d. per cwt.	7s. 5¼d.
(2.) Divide 16170 by 7	2310
(3.) How many times 13s. 4d. in £10, 13s. 4d.?	16
(4.) Interest on £150 for 5 months at 10 %	£6, 5s.
(5.) 8 lbs. of tea at 2½d. per oz.	£1, 6s. 8d.
(6.) 176 + 184 − 37 + 56	267
(7.) Find the value of 5⅘ of 5s.	£1, 7s.
(8.) Multiply 19 by 54	1026
(9.) The price of a button at 3s. a gross	¼d.
(10.) Find the square of 69 − 32	1369
(11.) 3 dozen whips at £12, 16s. per gross	£3, 4s.
(12.) 16 + 37 + 5 + 63 + 5 + 75 + 9	210

B

(1.) Interest on £25 for 6 months at 5 %	12s. 6d.
(2.) How many times 6s. 8d. in £75, 13s. 4d.?	227
(3.) Divide 15180 by 15	1012
(4.) 26 + 32 + 15 + 9 + 16 + 17 + 31	146
(5.) Find the value of ⅞ of a cwt. in pounds	98
(6.) Multiply 42 by 56	2352
(7.) Take ⅝ of a shilling from ⅔ of a crown	2s. 11½d.
(8.) 3 poles at £2, 10s. a furlong	3s. 9d.
(9.) 3 oz. coffee at 1s. 8d. per lb.	3⅜d.
(10.) Give 8 tons of coal to 40 persons	4 cwt. each.
(11.) 3½ lbs. at £1, 3s. 4d. per cwt.	8⅜d.
(12.) 2½ score geese at 7s. 6d. each	£18, 15s.

EXERCISE 12.

A

	Answers.
(1.) How many minutes in $\frac{3}{5}$ of a day?	960
(2.) 1½ cwt. of sugar at 4½d. per lb.	£3, 3s.
(3.) Divide £5, 8s. among 12 persons	9s.
(4.) Find the value of $\frac{3}{5}$ of $\frac{3}{4}$ of £2, 10s.	£1, 5s.
(5.) Divide 4615 by 13	355
(6.) Find a fourth proportional to 17 : 68 :: 20	80
(7.) Interest on £70 for 6 months at 2½ %	17s. 6d.
(8.) 15 apples at 9s. per gross	11½d
(9.) How many times 15s. in £13, 10s.?	18
(10.) 32 + 16 + 17 + 56 + 18 + 5 ÷ 12	12
(11.) Multiply 25 by 63	1575
(12.) Take ·5 of £1, 10s. from ½ of £1, 15s.	2s. 6d.

B

(1.) 5 lbs. of soap at £1, 12s. 8d. per cwt.	1s. 5½d.
(2.) Of what number is 9 a fourth?	36
(3.) 11 chairs at 20 for £19, 10s.	£10, 14s. 6d.
(4.) 16 + 6 × 2 + 4 × 4 ÷ 12 × 4 − 17	47
(5.) Find the value of $\frac{1}{3}$ of £4	£21, 6s. 8d.
(6.) Multiply 18 by 64	1152
(7.) Add $5\frac{4}{7}$ of £5 to $3\frac{3}{4}$ of £3	£37, 16s. 3d.
(8.) Interest on £90 for 8 months at 4 per cent.	£2, 8s.
(9.) A week at 2½d. per hour (12 hours a day)	17s. 6d.
(10.) Divide 9120 by 40	228
(11.) Reduce £175 to florins	1750
(12.) Find the square of 15 × 5	5625

EXERCISE 13.

A

	Answers.
(1.) 84 tables at 12s. 6d. each	..£52, 10s..
(2.) 35 + 16 + 19 + 8 + 72 + 12 + 8	.....170.....
(3.) Interest on £12, 10s. for 9 months at 5 %	....9s. 4½d....
(4.) 8 dozen tops at 6 dozen for 7s. 6d.	.....10s.....
(5.) The month of December at 5s. 6d. per day	£8, 10s. 6d.
(6.) Reduce 2168 halfpence to pounds	£4, 10s. 4d.
(7.) Multiply 23 by 72	.....1656.....
(8.) Take $\frac{5}{8}$ of a yard from a yard	....6 inches....
(9.) Reduce $7\frac{17}{18}$ to an improper fraction	..... $\frac{143}{18}$ .....
(10.) How many times 6s. 8d. in £44, 6s. 8d.?	.....133.....
(11.) Divide 7380 by 25	...295 + 5...
(12.) What is the value of £17$\frac{15}{16}$?	£17, 18s. 9d.

B

(1.) Multiply 35 by 77	.....2695.....
(2.) 6 boys carry 42 stones, how many will 9 carry?	.....63.....
(3.) Reduce 3600 farthings to pounds	....£3, 15s....
(4.) 300 bells at 25 for 7s. 3½d.	..£4, 7s. 6d.
(5.) 90 rugs at 15s. each	..£67, 10s..
(6.) Divide £20 among 50 persons	.....8s.....
(7.) 81 × 5 − 57 ÷ 6 × 2 − 8 ÷ 9	.....12.....
(8.) Divide 65183 by 1000	..65 + 183..
(9.) Take $\frac{3}{8}$ of 1s. 3d. from $\frac{5}{8}$ of 1s. 4d.	.....1d.....
(10.) Reduce $\frac{187}{12}$ to a mixed number	..... $13\frac{1}{12}$ .....
(11.) Interest on £50 for 10 months at 10 %	..£4, 3s. 4d.
(12.) Multiply 180 by 5½	.....990.....

EXERCISE 14.

A	Answers.
(1.) 28 men eat 56 loaves, how many will 35 eat?	70
(2.) 972 oranges at 18 for 1s. 10½d.	£5, 1s. 3d.
(3.) Reduce 888 half-crowns to sovereigns	£111
(4.) Divide 8400 by 70	120
(5.) Find the square of 125	15625
(6.) Reduce 15s. to the decimal of £1	·75
(7.) 72 shawls at 17s. 6d. each	£63
(8.) 672 + 49 − 527 + 13	181
(9.) Interest on £70 for 11 months at 5 per cent.	£3, 4s. 2d.
(10.) Take $\frac{7}{8}$ of a lb. from a lb.	2 oz.
(11.) Multiply 19 by 81	1539
(12.) How many times 9s. in 3 guineas?	7

B	
(1.) Divide 7101 by 125	56 + 101
(2.) Reduce 1200 threepences to florins	150
(3.) Interest on £60 for 1 year at 3 per cent.	£1, 16s.
(4.) Of what number is 15 a sixteenth?	240
(5.) 132 pictures at a guinea each	£138, 12s.
(6.) 32 + 13 × 2 + 9 ÷ 11 × 9 − 35	46
(7.) 16 horses draw 16½ tons, what will 2 draw?	2 t. 2 q. 14 lb.
(8.) Multiply 26 by 84	2184
(9.) 1000 apples at 40 for 2s. 6d.	£3, 2s. 6d.
(10.) Reduce 9d. to the decimal of 1s.	·75
(11.) ·75 + ·5 + ·25 of a crown	7s. 6d.
(12.) 25 dozen cakes at 5 dozen for 1s. 6d.	7s. 6d.

EXERCISE 15.

A	Answers.
(1.) Find a fourth proportional to 15:45::30	.....90.....
(2.) 64 lambs at 13s. 4d. each.....	£42, 13s. 4d.
(3.) 960 books at 48 for 5s. 7½d.	£5, 12s. 6d.
(4.) Multiply 17 by 96.....	.....1632.....
(5.) Reduce 1200 fourpences to crowns.....	.....80.....
(6.) Interest on £80 for 1 year at 7 per cent.....	.....£5, 12....
(7.) 560 + 316 − 285 + 164.....	.....427.....
(8.) Reduce 1s. 8d. to the decimal of 6s. 8d.....	.....·25.....
(9.) Divide 3716 by 100.....	...37 + 16...
(10.) 6 oz. of gold at £4¼ per oz.	....£25, 4s...
(11.) 39 + 62 + 17 + 5 + 12 + 6 + 19...	.....160.....
(12.) 120 lbs. of cheese at 9¼d. per lb.	£4, 12s. 6d.

B	
(1.) How many 2 lb. loaves are = to five 4 lb.?	.....10.....
(2.) 144 buns at 9 for 9¼d.	....12s. 4d....
(3.) Find the square of 89.....	.....7921.....
(4.) Multiply 54 by 99.....	.....5346.....
(5.) Take ⅝ of a mile from a mile.....	..1100 yards.
(6.) Interest on £120 for 1 year at 9 per cent...	...£10, 16s...
(7.) 260 + 81 − 56 + 98.....	.....187.....
(8.) Divide 7536 by 15.....	...502 + 6...
(9.) Find a fourth proportional to 24:96::8	.....32.....
(10.) 24 clocks at 16s. 8d. each.....	..... £20.....
(11.) 840 boxes at 7 for 11d.....	....£5, 10s....
(12.) Reduce 13s. 4d. to the fraction of £1	..... ⅔ .....

EXERCISE 16.

A	Answers.
(1.) In £75 how many fivepences?	3600
(2.) 156 books at 13 for 5s. 6½d.	£3, 6s. 6d.
(3.) 50 piastres at 2½d. each	10s. 5d.
(4.) Divide 9563 by 30	318 + 23
(5.) 37 + 156 − 29 + 86	78
(6.) 48 chains at £1, 2s. 6d. each	£54
(7.) Find the square of 75	5625
(8.) ¼ of a lb. cost 10d.; what will ⅝ cost?	1s. 3d.
(9.) Multiply 63 by 108	6804
(10.) 10 gross at a score for 5½d.	£1, 13s.
(11.) Reduce 1 qr. to the decimal of 1 cwt.	·25
(12.) Interest on £30 for 10 years at 2½ per cent.	£7, 10s.

B	
(1.) How many knives at 9d. = 6 knives at 6d.?	4
(2.) Multiply 52 by 110	5720
(3.) ·5 of a lb. cost 1s. 8d.; what will ·75 cost?	2s. 6d.
(4.) Interest on £25 for 15 years at 5 per cent.	£18, 15s.
(5.) Reduce £7, 10s. 6½d. to farthings	7226
(6.) Divide 8166 by 70	116 + 46
(7.) Find the value of ·25 of 25 guineas	£6, 11s. 3d.
(8.) 84 workboxes at £1, 7s. 6d. each	£115, 10s.
(9.) Multiply 80 by 16½	1320
(10.) 264 mugs at 8 for 1s. 7½d.	£2, 12s. 11½d.
(11.) ·25 of a shilling + ·75 of a penny	3¾d.
(12.) 26 + 30 + 2 × 4 ÷ 16 × 5 − 59	21

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